Chemical Crosshauls Limited—page 3

Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 143 No. 5 — Schnell Publishing Company, Inc., Publishers — February 1, 1943

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Carbide and Carbon Chemicals Corporation produces more than 160 synthetic organic chemicals, and the supply situation among these products is constantly changing. Right now a number of them, including those described here, can be supplied in limited quantities. Some are available now because they are co-products in the making of other chemicals being used for high priority applications. Others are on hand because customers' plants have shifted to war production or cannot get other raw materials to go with them.

At the time this magazine went to press Acetonylacetone, Methyl "Carbitol," and Tetraethanolammonium Hydroxide . . . and a number of others . . . could be supplied in less-than-carload quantities. If you are interested in obtaining quantities of any of these interesting chemicals, write for further information.

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PRODUCERS OF SYNTHETIC ORGANIC CHEMICALS

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

SCHNELL PUBLISHING COMPANY, INC., PUBLISHERS

No. 5 | February 1, 1943 | Volume 143

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THE CHEMISTS' CLUB

Metal Strapping On Containers Limited

OPD Washington Bureau

Metal strapping on containers or bundles has been limited to certain kinds of commercial uses by conservation order M-261, issued by the Director General for Operations. Purpose of the order is to conserve metals by eliminating the use of metal strapping in lightweight shipments, except where necessary.

The order applies to iron, steel, or other metal wire or band reinforcements or closures which measure 12 inches or more in length, for shipping containers or for fastening material into bundles. It does not affect strapping for barrel hoops, for stitching, for baling of hay, paper, cotton or other compressed material, or for fastening or blocking of material to skids or in vehicles or vessels. Under the

—Continued on page 41

72d—OPD—Year

Haskell Succeeds Munson As U.S.I. President

Glenn L. Haskell has been elected president of the U. S. Industrial Alcohol Company. Mr. Haskell, who has been serving as vice-president

Glenn L. Haskell

since 1927, succeeds to the post vacated by the appointment of Charles S. Munson to the chairmanship of the executive committee. Charles E. Adams continues as chairman of the board.

A native of Chicago, Mr. Haskell began his business career with the American Distilling Company, Pekin, Ill., in 1901. He joined U. S. Industrial Alcohol in 1921, holding successively the posts of Western sales manager at Chicago and general sales manager at New York. In 1927 he was made a vice-president.

72d—OPD—Year

Army Procurement Rules Modified

OPD Washington Bureau

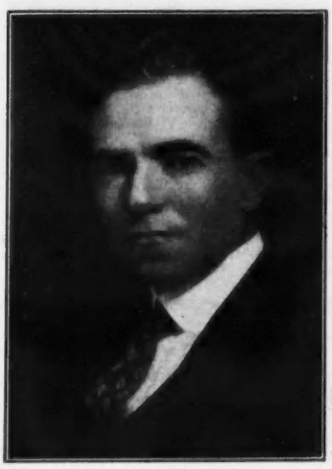
Price sections of Army procurement regulations have been modified by the War Department to make the regulations conform to the contract renegotiation act contained in the 1942 tax bill.

To afoid overlapping of rules aimed at the same objective, the amendments to the renegotiation act provide that contracts may be exempted from compulsory renegotiation provisions of that act if such contracts themselves contain provisions which will prevent excessive profits.

Prices may now be made firm for definite periods under contract stipulations set forth in the amended procurement regulations.

Chlorine Institute Re-elects Jacobs

The Chlorine Institute at a meeting of the directorate, held immediately after the annual meeting in the Chemists' Club, this city, January 27, S. W. Jacobs, of the Niagara Alkali Company was re-elected president. E. C. Speiden, of the Isco chemical division



S. W. Jacobs

of Innis, Speiden & Co., was renamed vice-president, and Robert T. Baldwin was continued as secretary-treasurer.

The following directors were elected at the annual meeting:—

Thomas Coyle, of the electrochemicals department of E. I. du Pont de Nemours & Co.

W. I. Galliher, of the Columbia chemical Division of Pittsburgh Plate Glass Company.

L. Neuberg, of Westvaco Chlorine Products Corporation.

E. E. Routh, of the Mathieson Alkali Works.

B. P. Steele, of the Pennsylvania Salt Manufacturing Company.

Eli Winkler, of the Southern Alkali Corporation.

72d—OPD—Year

Clayton Act Loophole Plug Asked in Bill

OPD Washington Bureau

Senator Joseph O'Mahoney, of Wyoming, introduced a bill (S. 577) in the senate January 25 amending the Clayton act to prohibit the acquisition of the physical assets of a corporation if acquisition tends to lessen competition.

He explained that the Clayton act prohibits the acquisition of any stock or other share capital of two corporations if the acquisition tends to lessen competition, and said that although the intent of the law "was perfectly clear it was evaded by the simple device of the sale and purchase of corporate assets instead of stock."

72d—OPD—Year

Thomas Made President Of Compressed Gas Ass'n

H. Emerson Thomas, management consultant, Westfield, N. J., was elected president of the Compressed Gas Manufacturers' Association, at its thirtieth annual meeting, held in the Waldorf-Astoria, this city, January 25 and 26. Thomas Coyle, of the electrochemicals department of E. I. duPont de Nemours & Co., was elected first vice-president, and R. J. Quinn, of the Mathieson Alkali Works, second vice-president. Miss Florence Jacob was named acting secretary and treasurer, in the absence of F. R. Featherson, who is serving as a major in the Chemical Warfare Service, Washington.

Crosshaul and Tankcar Limits Placed on Chemical Shipments

OPD Washington Bureau

The first of a series of orders to eliminate crosshauling and coastal shipping of less-essential materials of the chemical industry in tankcars was issued January 30 by the Stockpiling and Transportation Division of the War Production Board. The order, known as "T-1," while relating only to steel tankcars and steel tanktrucks, sets up the framework by which any type of shipment can be regulated as the need may arise.

Dr. W. Y. Elliott, director of the Stockpiling and Transportation Division, explained that the order, which is to be administered by George Burgess, of the division, is designed to control the use of tankcars for all shipments except petroleum, because of the critical shortage of tankcars in the nation.

Molasses and Caustic Soda

Three types of control are set up by lists I, II, and III attached to the order. List I materials are zoned; they are molasses and caustic soda. Shipments may not be made beyond the prescribed areas without special authorization of the Director General for Operations. In the case of molasses, shipments over distances of more than 200 miles in tankcars or tanktrucks, except for manufacture of yeast or citric acid, are prohibited after March 1. The purpose of this control over molasses is not primarily to reduce shipments, but to bring about a more orderly movement of tankcars carrying it.

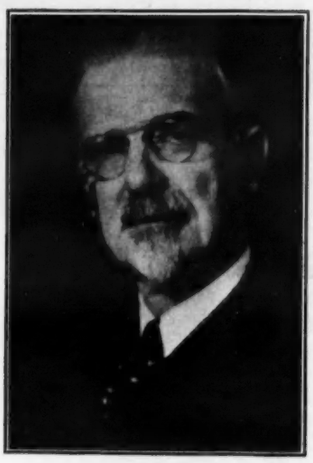
In the case of caustic soda, the country is divided into thirteen zones.

—Continued on page 43

72d—OPD—Year

W.P. Cohoe Nominated For S.C.I. Presidency

Wallace Patton Cohoe, consulting chemist, this city, has accepted nomination for the presidency of the Society of Chemical Industry. The election of officers will take place at a meeting to be held in July, 1943, in



Wallace P. Cohoe

England. Dr. Cohoe has been a vice-president of the society since 1940 and served as chairman of the Ca-

—Continued on page 53

72d—OPD—Year

Oilseeds Production Spurred by Bonus

OPD Washington Bureau

The acreage production goals of the oils crops—soybeans, peanuts, and flaxseed—were increased somewhat by the Secretary of Agriculture, Claude R. Wickard, January 25, and a fund of $100,000,000 was established from which "incentive" payments are to be made to growers of these and other products to assure increased production.

An additional 1,500,000 acres was added to the 1943 production goal for soybeans, raising the area to be devoted to this crop to 12,000,000 acres. Farmers will receive $15 an acre for each acre from 90 percent of the farm goal to 110 percent of the goal.

—Continued on page 58

72d—OPD—Year

Soybean Industry Problems Studied

OPD Washington Bureau

Problems confronting the soybean industry were discussed at a meeting of the Soybean Processors Industry Advisory Committee in Washington. Subcommittees were appointed to work on these problems and report their findings and recommendations. One subcommittee will calculate the surplus or deficiency of processing capacity next year in the mid-west soybean area, assuming average yield on the 1943 crop acreage goal, and will make recommendations with regard to

—Continued on page 46

Tallows, Greases Ceiling Now Uniform

OPD Washington Bureau

Uniform maximum prices for tallows and greases were established by the Office of Price Administration with issuance of amendment No. 22 to revised price schedule No. 53. The amendment, effective January 30, in addition to adding two new grades, naphtha extracted bone tallow and garbage grease, provides changes specifications and allows fractional cent increases for three types. The increase for No. 1 fleshing or glue grease is one-quarter of a cent a pound; that for No. 2 fleshing and glue grease, five-eighths of a cent a pound; for pigskin grease, one-eighth of a cent a pound. Text of the amendment follows:—

§ 1351.151 Maximum prices for fats and oils. * * *

(b) * * *

(15) The maximum prices established by this revised price schedule No. 53 for tallows and greases are modified so that on and after January 30, 1943, the maximum prices thereof shall be as follows:—

"Tallow and greases.—F.o.b. producer's plant, in tankcars or tank trucks, or in

—Continued on page 46

72d—OPD—Year

Soap Makers Release 50% of Tankcars

OPD Washington Bureau

In an effort to ease the general transportation shortage, soap manufacturers already have released about 50 percent of the tankcars and from 35 to 40 percent of the box cars used for the shipping of their products, it was reported at a meeting of the Soap and Glycerine Industry Advisory Committee in Washington. A subcommittee reported that this saving had been made possible by increased loading, faster unloading and dispatching of cars, and by use of trucks and water transportation. Approximately 30 percent of their output is now moving by truck or water.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER's relative record of prices for chemicals and related materials is currently as follows:—

Jan. 29, 1943	Jan. 22, 1943	Jan. 30, 1942
136.0	136.0	143.8

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Price activities in the markets for chemicals and related materials were somewhat more numerous and various last week; but they were still confined largely to things which have their antecedents more or less nearby in agricultural products. There was a slight net decline of the general average because of cheaper botanical drugs and spices; although three uppings were made in quotations on linseed oil, vegetable oils being in part strangely qualified by statute to leak upward through price ceilings—so-called.

Mineral Resources Mining Bill Reported Favorably

OPD Washington Bureau

The senate committee on banking and currency committee has favorably reported to the senate two bills, S. 12 and S. 381, to encourage the development of the nation's mineral resources for war. The bills are the same as those which passed the senate last year but failed to be acted on in the house.

S. 12 would authorize the Reconstruction Finance Corporation to make loans for mining operations even though there was no proof that sufficient minerals would be produced to pay a profit upon the mining operation. S. 381 authoriezs RFC to make loans to persons desiring to engage in mining. At the present time loans are limited to those actually engaged in mining strategic metals.

72d—OPD—Year

Chemical Producers Get Higher Repair Rating

OPD Washington Bureau

Chemical producers were granted higher priority ratings for the purchase of maintenance, repair and operating supplies by an amendment to preference rating order P-89 issued by WPB January 30. The amended order allows producers to apply ratings up to AA-2X for the purchase of materials listed in schedule A of the order. These materials formerly carried a rating no higher than A-1-a. A rating of AA-5 may now be applied for purchase of materials for maintenance, repair and operating supplies not listed in schedule A. These materials formerly carried a rating A-1-c.

72d—OPD—Year

Fritzsche Bros. Film Shows Essential Oil Production

Colored motion pictures showing the production of essential oils in the Western hemisphere were presented January 25 in the Hotel New Yorker, this city, by Fritzsche Brothers, Inc. Taken by Dr. Ernest Guenther, chief research chemist of the Fritzsche organization, the films represented a flying trip to points in the British West Indies, South America, and Central America. Several trips to United States essential oil producing centers were also shown.

Joseph Huisking, vice-president of the Fritzsche company, was toastmaster at the presentation and F. H. Leonhardt, president, welcomed the guests. The program also had been presented recently in Washington under the auspices of the Department of Commerce, it was reported.

72d—OPD—Year

Arabic Lower in London

London, Jan. 29, 1942

Prices turn firmer on carnauba wax and quotations on No. 3 North Country are 450s per hundredweight. Kondafan quality of arabic gum is cheaper at 95s 9d per hundredweight.

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WPB curtailment of print paper use by periodical publishers obliges OPD to make some changes in the appearance of its pages and in the amount of space devoted to single items of news and information. When further details are desired, a request to the OPD office will bring such assistance as is possible. The fundamental market services of OPD will be maintained as long as any paper can be got.

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Paint Production Clubs News

The New York Paint and Varnish Production Club will meet February 4 in the Building Trades Employers building, 2 Park avenue, this city. Dr. D. H. Dawson, of the pigments department of E. I. du Pont de Nemours & Co., will speak on new types of titanium pigments and their present importance to the paint and varnish industry. Major A. J. Totton, jr., from the Office of the Chief of Conservation Resource and Production Division will talk on requirements and specifications of the army. A report on the camouflage committee will be given by Austin O. Allen, of the technical committee.

Golden Gate

The Golden Gate Varnish and Paint Production Club at its December meeting voted that the technical committees drop their work on the present problems and work with the Mare Island Navy Yard. Lt. Wolfe, of Mare Island Navy Yard, and his fellow workers led a round table discussion on some of the problems confronting the navy yard. He listed them as follows:—

1. Fireproof paint for the interior of ships. 2. Coatings for gasoline tanks. 3. Coatings for portable water tanks. 4. Fire-retardant coating for fabric and wood. 5. Coating for bulkheads in living quarters to resist sweating and subsequent condensation, and to give insulation. These coatings must also be fire-proof, and 6. Toredo control on wooden ships and docks, etc.

C.D.I.C.

The January meeting was held at the Deshler-Wallick hotel, Columbus, Ohio, with thirty-one members and guests present. President Haniewich read the minutes of the Technical Advisory Committee which met in New York city on December 15.

Fred Jones, in charge of finishing, Columbus plant, The Curtiss-Wright Corporation, spoke on camouflage finishes. He said that prior to the war most of the dopes were the nitrate type, but now they are using fire resistant dopes. The army and navy camouflage finishes are entirely different as far as color is concerned, although they are applied in the same fashion.

Louisville

The December meeting was held at the Brown hotel with forty-eight members and guests attending. D. W. Robertson, of the Titanium Pigment Corporation, discussed "Paint Formulation Adjustments to Meet War Restrictions," providing an answer for the industry's oil problem through conservation instead of substitution.

This is utilization of material available to make the greatest volume possible of the three large classes that consume oil: exterior house paint, flat wall and interior glass. Departing from the tradition, the speaker justified his use of low pigment volume, low non-volatile, non-penetrating type formulations.

Comparisons of oil absorption were shown on filter paper and formulae given together with physical properties. The importance of spreading rate for the conservation of oil was stressed, likewise the shortcomings of certain more traditional formulation approaches towards conservation.

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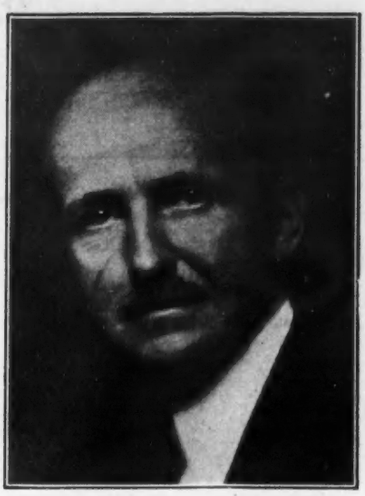
WPB Paint Consultant



E. V. Peters, of Long Island, who was president of the National Paint, Oil and Varnish Association in 1925, has been appointed consultant to the paint and varnish unit of WPB protective coating section. Mr. Peters was formerly executive of the New Jersey Zinc Company and is now vice-president of St. Joseph Lead Company, New York.

72d—OPD—Year

Acetylene Ass'n Medal Won by H.E. Newell

OPD Washington Bureau

Harry Edmund Newell, assistant chief engineer of the National Board of Fire Underwriters, New York City, was awarded the James Turner Morehead Medal for 1941 by the International Acetylene Association, at a dinner in the Union League, this city, January 25. Mr. Newell was cited for his "leadership in developing standards for installation and operation of acetylene equipment and systems."

The Morehead medal is given annually by the association in honor of the late James Turner Morehead, who sponsored the experiments which led to the discovery in 1892 of the modern electric-furnace method of produring calcium carbide, from which the acetylene industry has sprung. The medal is awarded for outstanding work in the acetylene industry or for advancements in the production or use of calcium carbide or acetylene.

72d—OPD—Year

Bids Wanted

Chemicals:—Supplies of; Supply Officer, Veterans' Administration Facility, Northport, L. I.; invitation 43-267, openings February 5.

Decalcomania Transfers: — 10,000, Division of Purchases, Sales & Traffic, Department of Agriculture, Washington; invitation 671-43, openings February 2.

Laboratory Equipment:—Supplies of; Division of Purchases, Sales & Traffic, Department of Agriculture, Washington; invitation 681-43, openings February 2.

Petrolatum:—1,850 pounds of yellow, U.S.P.; Department of Purchases, City of New York, opening February 3.

Potash Carbonate:—550 pounds, Division of Purchases, Sales & Traffic, Department of Agriculture, Washington; invitation 673-43, openings February 2.

Potassium Nitrate:—1,175 pounds, Division of Purchases, Sales & Traffic, Department of Agriculture, Washington; invitation 673-43, openings February 2.

Salad Oil:—50 gallons, Chief Clerk, Justice Immigration and Naturalization Service, Detention Station, Seagoville, Tex.; invitation 32-979, openings February 5.

Soda Nitrate:—8 tons, Warden, Justice, Prisons, Federal Reformatory, Petersburg, Va.; invitation 9-1291, openings February 2.

72d—OPD—Year

Hide Glue Jobbers Reports Eliminated by OPA

OPD Washington Bureau

Monthly reports heretofore required from jobbers of hide glue have been eliminated by the Office of Price Administration in line with its established policy of simplifying operations under price control.

OPA has collected sufficient data regarding transactions in hide glue by jobbers, and the monthly reports, which were required under revised price schedule No. 76—hide glue, are no longer necessary. They were eliminated through issuance of amendment 4 to schedule 76, effective February 4.

Paint Thinner Specification Drawn

OPD Washington Bureau

A proposed Federal specification for a mixing and thinning oil for paints and pastes in oil has been drafted by the National Bureau of Standards. Comments and suggestions of this specification "Oil, Mixing or Thinning, Linseed Oil-Base, for Paints and Pastes in Oil (Linseed Oil Replacement)" must be filed with E. F. Hickson, of the National Bureau of Standards not later than February 15. Text of the specification, in part, follows:—

Material

C-1. Material shall consist of drying oil, volatile thinner and drier processed and blended into a homogeneous liquid.

E-1. Shall be clear and free from sediment and suspended matter.

E-2. Shall be no darker than a solution of 0.763 g of potassium dichromate in 100 ml of pure sulphuric acid, specific gravity, 1.84, or not darker than Gardner color standard (1933) No. 14 tube.

E-3. Shall be not less than 0.321 and not more than 0.65 poise.

E-4. Shall be not less than 65 percent by weight.

E-5. Shall be not more than 10, based on the nonvolatile content.

E-6. Shall set to touch in not more than four hours and dry in not more than 18 hours.

E-7. Shall pass a 200 percent kauri reduction test at 25 deg. C (77 deg. F).

E-8. Shall be completely miscible with mineral spirits when tested according to paragraph F-2h.

E-9. The presence of rosin shall not be detected by the Lieberman-Storch test.

72d—OPD—Year

Exchange Dumping Tax Bill in House

OPD Washington Bureau

A bill (H. R. 63) to impose an "exchange dumping tax" on imports from countries whose currency has been depreciated more than 5 percent from its value in relation to United States currency on December 31, 1934, has been introduced in the house by Representative Carl Hinshaw of California.

The bill, which may receive consideration when the ways and means committee takes up the question of extending the reciprocal trade agreements act later this year, provides that the tax shall be equal to the amount of the depreciation in the foreign currency and shall be in addition to any other tax imposed on such articles.

72d—OPD—Year

S.C.I. and Chemical Engineers to Meet Feb. 19

A meeting of the American Section of the Society of Chemical Industry jointly with the American Institute of Chemical Engineers will be held Februay 19 in the Commodore hotel, this city. The meeting is to cover the subject of foods in war and peace. E. T. Gibson, president of Frosted Foods Sales Corporation, will talk on "Quick Frozen Foods." R. S. Hollingshead, assistant chief, Agricultural Chemical Research Division, U. S. Department of Agriculture, will discuss "Dehydrated Foods."

72d—OPD—Year

Printing Ink M-Order Restrictions Revised

The War Production Board amended conservation order M-53 January relative to restrictions on use. The order now reads:—

(b) Restrictions on use. In the manufacture of printing ink, no producer shall:—

(1) Use any oil soluble toner in any black ink, nor a toner of any form in news ink.

(2) Use any alkali blue or other organic toner as a toner for black ink in excess of eight percent, by weight, of such black ink where such alkali blue or other organic toner is in paste form or, where in the form of dry color, then in excess of four percent, by weight, of such black ink.

(3) Use any glycerol phthalate resins or phenolic resins for the production of any gloss ink, non-scratch ink or glass overprint varnish:—Provided, however, that nothing contained in this paragraph (b) (3) shall restrict the use of varnishes containing such resins in the inventories of ink producers, printers, or manufacturers of varnishes were manufactured prior to March 30, 1942, for use in the manufacture of printing ink.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

Although there is much talk of forgiving taxpayers their last year's taxes—or a part of them—you will have to file your Federal income tax return by March 15 as usual.

There probably will be many changes in the payment system and the amount of an individual tax bill before the year ends. But congressional and treasury officials predict that these changes will not be in effect before you normally file your return and make at least one quarterly instalment payment.

Two-Story Caffeine Price

One of the bigger problems of OPA in shaping up its proposed price schedule for fine chemicals is that of the high-cost producers, particularly those making caffeine. OPA doesn't want to put these people out of business, still it doesn't want to set the ceiling so high that other producers will realize undue profits.

One suggested approach to the problem is to tie in the WPB allocation system with the price-control program. This system could be used to shunt off to the beverage industry the output of the high-cost caffeine producers now going largely to export. OPA could allow purchases to be made by the beverage industry above ceiling prices, and—so it is said—everybody would be satisfied. The cola makers are getting only one-third of the caffeine they would like to have and probably would be willing to pay more to get more.

Essential Oil Pricing

Quietness prevails on the OPA front on essential oils, but this should not be taken to mean that OPA has given up the idea of pricing these oils under a specific schedule. Officials are still thinking in this direction but have been forced to lay such thoughts aside because of other more pressing matters.

On the whole the reaction of essential oils prices under GMPR has been considered pretty satisfactory, but as a matter of policy OPA feels that they should be under a separate price schedule for two reasons:—(1) Industry will know better just where it stands, and (2) OPA can more easily enforce the ceilings.

If and when the regulation is issued it will cover about 90 percent of the essential oil business.

Cosmetics Split from Drugs

The automatic pricing regulation for new packaged drugs and cosmetics is going through more revision in OPA as a result of recent conferences with the industry. Its appearance may be delayed for a time, possibly two weeks or so.

One of the changes made takes cosmetics out of the schedule and places them under a separate schedule to be issued at about the same time. This is being done at the request of some cosmetic manufacturers who thought it would be less confusing to have a schedule of their own and not be wrapped up in the regulations affecting drugs and pharmaceuticals.

Rubber for Jungling

It's the commonplace things of life which, when added together, make up the total picture of the conditions under which our soldiers must fight. Pictures of the men in combat or trekking through the jungles in search of Japs tell part of the story—but only part. The other part is that which does not show up in the pictures or the news accounts of battle, but is found only in the dry routine announcements of the War Department.

An example came to light only this week in an announcement by the department that hereafter the jungle fighters will be issued canvas-top rubber boots instead of leather shoes. Why? Because the going is so tough that leather rots off the men's feet in about two weeks.

And some people complain about rationing and the ban on pleasure driving!

Oil Problem Gets No Better

Lack of longrange planning and division of authority have been brought pointedly to the fore by the fact that petroleum inventories in the Eastern States have sagged critically close to minimum safe working levels. Usually, the low point is reached late in February, but the low point has already been reached a month earlier.

A senate committee says there has been inexcusable delay and confusion in carrying out a supplementary barge and conversion program to relieve the eastern shortage. There also have been needless delays in bringing pipelines from the oilfields to the East. The immediate effects of these circumstances are felt only in about one-third of the States, but the ramifications are nationwide.

Pampering the 'News' Reels

News reels are regarded in some quarters of the government as "vital" organs for disseminating public information and are going to feel the axe only slightly in spite of the critical shortage of film. Last year the average run of a news reel was about nine minutes but out of necessity that some conservation of film be effected they will be cut this year to about eight minutes.

Officials say proudly that this can be done without restricting the present news "coverage." Others might well retort that by eliminating some of the punk and obvious propaganda most reels could be cut to four minutes and still tell the story—better.

Dim-Out May Spread

Extension of the "dim-out" area along the Atlantic and Pacific coasts to cover the entire country is being considered by WPB. The reason for it is the shortage of electricity and fuel badly needed for war production.

Under plans now being studied, merchants would not be permitted to use any outside lighting; show windows would have to be darkened when stores are closed; and lighted advertising signs would be prohibited. In areas where there are severe shortages of power, street lights also would be dimmed to such extent as is consistent with public safety. There would be no restriction on automobile lights, however, nor on interior lighting except where this became an absolute necessity.

72d—OPD—Year

Chloride Solutions Prices Set by OPA

OPD Washington Bureau

Maximum prices for substitutes sold as antifreeze, the use of which was banned January 21 by War Production Board, were sharply reduced January 27 by the Office of Price Administration. OPA also inserted in regulations covering sale of the products requirements that they be plainly labeled.

The products, made from kerosene and naphtha and from solutions with inorganic salts such as calcium chloride, were described as deleterious to automobile motors by WPB in banning production of them. Maximum prices set cover stocks of the substitutes already on hand. This action reduces retail prices for the salt base solutions from levels ranging as high as $2.65 a gallon, which have prevailed, to 75 and 85 cents. The solutions made from naphtha and kerosene, which had sold for as high as $1.50 a gallon at retail, are reduced to 35 and 43 cents per gallon.

In the case of these petroleum distillates sold as antifreeze the labels must carry in addition to an identification of the contents a warning that the solution may cause the motor to overheat and melt rubber connections. These actions are contained in amendment 60 to revised price schedule 88, amendment 19 to maximum prices regulation 137 and amendment 2 to maximum price regulation 170, all effective February 1.

Coldwater Paint Specification Drafted

A proposed Federal specification has been drafted by the National Bureau of Standards for one type of dry powder paint and a supplementary 'mixing liquid,' which when combined with water in given proportions produces a suitable paint for exterior use on concrete, stucco, cinder block, wood, primeta metal, etc. Criticisms and suggestions of the specifications must be filed with E. Hickson, National Bureau of Standards, Washington, not later than February 15. Specifications, in part, follows:—

Detail Requirements

Powder

E-1a. The cold water paint powder shall consist of a finely ground, uniform mixture of suitable, easily dispersed white pigments, such as zinc sulfide or titanium oxide pigments; from 12 to 15 percent of milk casein or soybean protein, and from 3 to 5 percent of hydrated lime, together with a suitable nonpoisonous preservative and sufficient dephlegmator to prevent excessive foaming during mixing. The presence of up to 10 percent of water ground mica and 10 percent or more of diatomaceous silica is also considered desirable. No permanently soluble adhesives such as glue, starches, dextrin, gums, etc., shall be present. When necessary to produce the required tint, lime-proof colors, such as ochers, umber, sienna, lampblack, chrome oxide green, and red or brown iron oxide may be added.

E-1b. The material shall be in powder form, free from any lumps that are not easily friable, and shall readily mix with water at 70° F. in the proportion of 90 to 100 pounds of powder to 10 gallons of water and 1 gallon of mixing liquid to form, after thoroughly stirring several times during a period of 30 minutes, a paint of good brushing consistency, of smooth texture, and showing no undissolved particles of binder. When applied to wood, plaster, brick, or cement it shall dry to a smooth, nonchalking, uniform, flat finish that is either white or a color matching that of an agreed upon sample. The above mixture of water and powder after standing for 18 hours must be capable of being easily remixed and must not have an offensive odor.

E-1c. The paint, when properly mixed, shall show easy brushing, good flowing and spreading. Paints that have any noticeable pull under a large wall brush and that show poor or only fair spreading and flowing properties are not acceptable under this specification. When properly thinned, this type shall be suitable for spraying. It shall recoat satisfactorily (2 coats within 8 hours) by both spraying and brushing.

E-1d. Daylight, 45° normal, apparent reflectance for white:—Not less than 75 percent relative to MgO.

E-1e. Shall set to touch within 2 hours and dry within 6 hours at a temperature between 70° and 90° F.

E-1f. Shall match standard mutually agreed upon by buyer and seller.

E-1g. The paint when tested according to paragraph F-3f shall now no removal of the film down to the glass after 30 complete oscillations (60 separate brush strokes) of the brush.

E-1h. Not more than 7.5 ml of the mixed paint, when spread over an area of 1 square foot, shall be required to give a wet-film contrast ratio of 0.79. Tints shall show at least as good capacity as white.

E-1i. Not more than 7.5 ml of the mixed paint, when spread over an area of 1 square foot, shall be required to give a dry-film contrast ratio of 0.92. Tints shall show at least as good opacity as white.

Mixing Liquid

E-2a. Composition.—Shall be a chemically processed oil the drying qualities of which have been retained; it shall be so treated as to be completely miscible with water and fully compatible with the paint binder so that it will readily form an emulsion without vigorous agitation. It shall contain not less than 85 percent by weight of total solids, shall be free from ammonia and shall have the consistency and general appearance of heavy kettle boiled linseed oil.

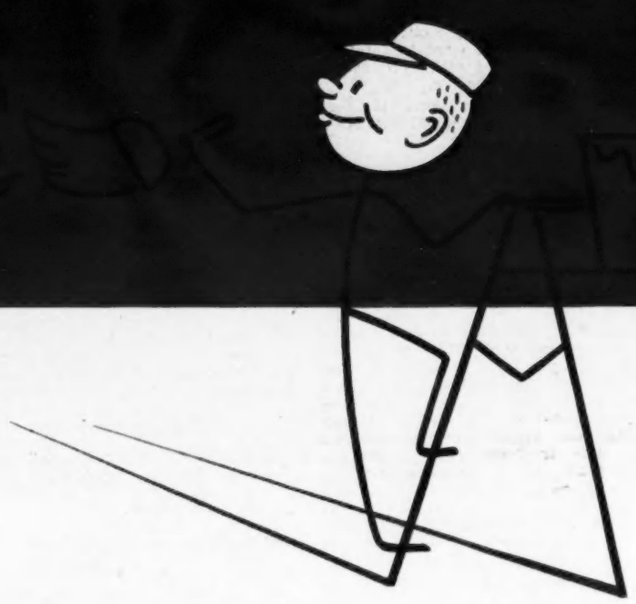
72d—OPD—Year

Chemical Fertilizers Control Complete

OPD Washington Bureau

Conservation order M-231, governing the distribution of chemical fertilizer, was revoked in its entirety today by the director general for operations. Action was taken because authority with respect to the production of food is now in the hands of the Department of Agriculture, which recently issued a substantially similar order over the signature of the secretary of agriculture.

Emulsion Paints



EXPERIENCE has proved that Aminomethylpropanol is an ideal emulsifying agent in formulating today's new emulsion paints—used where freedom from fire hazard, freedom from odor, and rapid initial set are important considerations. Write now for a sample of Aminomethylpropanol.

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BUTANOL • BUTYL ACETATE • DIBUTYL PHTHALATE
Nitroparaffins • Ethyl Alcohol • Ethyl Acetate

Drug Trade Advises Report on Cartons

OPD Washington Bureau

Recommendations for saving paper and paperboard were made by the Pharmaceutical Manufacturers Industry Advisory Committee at a meeting in Washington. The members urged consideration of increasing the number of units in carrier cartons as well as the number of carrier cartons or packers in a shipping case. They also urged the full re-use of shipping containers by wholesalers.

The committee also recommended discontinuing the custom of wrapping bottles by pharmaceutical manufacturers. It was suggested that where protection is needed for labels, a band or "sleeve" be used instead of wrapping the entire bottle, or that some protective coating be used on the label. Transparent wrappings for bottles are becoming critical.

72d—OPD—Year

Vitamin Sales Policy Under N.J. Law Issued

The Board of Pharmacy of the State of New Jersey has issued the following statement of policy with reference to vitamins and vitamin products:—

All vitamin products held out for the prevention, treatment or cure of disease are drugs within the meaning of the pharmacy act. As such they may be sold only under the supervision of registered pharmacists. Vitamin products not held out for the prevention, treatment or cure of disease and bearing on the label the statement "not for medical use," are not classified as drugs within the meaning of the pharmacy act and need not be sold under the supervision of a registered pharmacist.

72d—OPD—Year

Rotenone Allocation Eliminates Certain Uses

OPD Washington Bureau

Because it is estimated that the available supply for 1943 will be less than 50 percent of the demand, rotenone has been placed under allocation through the issuance of General Preference Order M-133 as amended, the Director General for Operations announced January 26. Shortage in supplies is caused partly by the fact that the Far East was originally the source of more than 60 percent of our rotenone, and partly because imports from Peru and Brazil have been limited by shipping difficulties and by the time required to expand production.

The order, as amended, provides for the elimination of rotenone to processors and imposes drastic restrictions on the uses to which rotenone may be put. In effect, the WPB order stated that rotenone would be restricted to use as an insecticide for peas, cole crops, sweet corn, and cattle. The order requires filing of inventory reports by all persons holding more than the small amounts designated in the order.

72d—OPD—Year

DCAT Dinner To Benefit Seamen

The United Seamen's Service, Inc., has been selected to benefit from the annual dinner of the Drug, Chemical and Allied Trades Section of the New York Board of Trade, to be held in the Waldorf-Astoria, this city. More than 600 reservations have already been made for the dinner, according to Victor E. Williams, of the Monsanto Chemical Company, chairman of the section. Reservations are in charge of John C. Ostrom, secretary of DCAT, 41 Park Row, this city.

72d—OPD—Year

Phila. Drug Exchange Re-Elects Officers

R. G. Anderson, of Merck & Co., was re-elected president of the Philadelphia Drug Exchange at its annual meeting held January 27. The annual banquet was held in the Bellevue-Stratford hotel, January 28. Other officers re-elected were:—

Vice-president, Charles E. Vanderkleed, of McNeil Laboratories, Inc.; secretary, J. Mervin Rosenberger, of Smith, Kline & French, Inc.; treasurer, Harold C. Halberstadt, of Shoemaker & Busch, Inc.

A.D.M.A. Convention To Discuss War Problems

OPD Washington Bureau

The annual convention of the American Drug Manufacturers Association to be held May 2, 3 and 4 at the Palmer house, Chicago, will be truly a war convention, John G. Searle, president of G. D. Searle & Co. and president of the association, said today.

Although the program for the meeting has not been completed as yet, it is being streamlined along the central theme of aiding in the war

John G. Searle

effort, he said, and a number of leading Army and Navy officials will be on hand to speak to the attending members. Because of the importance of the convention to the war effort, Mr. Searle said, a large attendance is expected.

As thus far laid out the program calls for the meetings of the scientific, biological and legislative sections to be held on Sunday, May 2, and the general sessions running all day Monday and concluding Tuesday afternoon. Heretofore it has been the practice to have the general sessions only in the morning with the afternoons given over to other activities.

This year there will be speakers at both the Monday and Tuesday luncheons and at the Monday dinner.

72d—OPD—Year

A.D.M.A. Surveying Sugar Requirements

OPD Washington Bureau

Sugar requirements of members of the American Drug Manufacturers Association are being surveyed by Carson P. Frailey, executive vice-president of the association, in a move to seek a larger allocation of sugar supplies to the drug manufacturing industry.

At the present time drug manufacturers are limited to 70 percent of the 1940 consumption of sugar and in view of the expanded operations of the industry in the war effort the limitation is beginning to work a hardship on the industry.

The data collected by Mr. Frailey will be made known to the OPA in behalf of a request that a larger allocation be granted the industry. The policy that has been followed by OPA has been not to recognize an increase in business as the basis for granting more sugar, but in view of the essential position of the drug industry in the war effort some consideration should be given to its needs in this direction, it is the view of Mr. Frailey.

72d—OPD—Year

Manufacturers Direct Retailing Ban Asked

OPD Washington Bureau

Representative Wright Patman of Texas has reintroduced his bill to prohibit manufacturers from offering their products at retail. The bill, H.R. 148, is the same as that introduced by him in the several past congresses.

It would amend section 5 of the Federal trade commission act to make it an act of unfair competition for any manufacturer to sell his products directly to the consuming public where the effect would be to substantially lessen competition between the manufacturer and his present retail outlets.

Rubber Problem Resolves Into Conflicting Charges

OPD Washington Bureau

The whole controversy of synthetic rubber versus aviation gasoline and escort ships was brought into the open this week by Rubber Director William Jeffers with a charge that there were too many "rubber experts" in Washington and "expediters" in the plants, and too little "practical thinking" as to just what the problem is.

He made the charge January 25 after listening at a hearing before the special subcommittee of the senate agriculture committee to M. J. Madigan, special assistant to Undersecretary of War Robert P. Patterson, tell how he had been working to induce Mr. Jeffers to slow down the rubber program because the same valves, heat exchanges, control instruments, and some other materials are needed in the production of aviation gasoline, escort vessels, and poison gas.

Earlier Charles L. Gabriel, vice-president of the Publicker Commercial Alcohol Company, Philadelphia, told of the difficulties encountered by his firm in obtaining equipment for a synthetic rubber plant it was building for use of the so-called "Polish" grain alcohol process of synthetic rubber manufacture, which he said, makes possible production of the rubber at a cost of $139 a ton. Paul Hadlick, committee counsel, said that the oil-production method costs from $300 to $1,200 a ton.

Nelson Contradicts Gabriel

Mr. Gabriel said that his company has spent more than $100,000 of its own money in engineering plans for construction of a 20,000-ton pilot plant for which the War Production Board has refused to furnish necessary priorities on materials. However, he added, the company will begin commercial operations next month with a plant capable of turning out 1,500 tons of butadiene a year.

Donald M. Nelson, chairman of WPB, called before the committee January 26 to explain the delays encountered by Mr. Gabriel, denied the charges, stating that in the case of the converters needed by the company a check up by WPB disclosed that they are in process of fabrication and will be delivered in three to seven weeks.

He also told the committee that he had issued a directive last month that 55 percent of the synthetic rubber program is to go forward to conclusion this year. The 45 percent remaining will be dovetailed into the

—*Continued on page* 54

72d—OPD—Year

Rubber Substitutes Discussed by D. of A.

OPD Washington Bureau

Such war-important matters as rubber substitutes, new oils and waxes for various purposes, and a score of others are discussed in the annual report of the Bureau of Agricultural Chemistry and Engineering made public by the Department of Agriculture January 26.

This bureau, now a part of the Agricultural Research Administration, has been expanded in recent years for more intensive attacks on chemical and engineering problems affecting industrial utilization of farm commodities. The emphasis on this type of research, especially in the four large regional laboratories of the Research Administration, began even before this country became actually involved in the war. Now, the bureau reports, all of its activities have been directed to strengthen the United Nations on both the fighting and home fronts.

Research by the bureau on materials for synthetic rubber resulted in a process for making butyleneglycol by the fermentation of corn or wheat. This substance, a possible link in the manufacture of Buna, the rubber basic material, butadiene, has been produced on a semi-commercial scale. Experimental results indicate that

—*Continued on page* 61

72d—OPD—Year

Quinine 5-Grain Lots Sales Ruling Is Made

OPD Washington Bureau

Conservation Order M-131, as amended January 9, which forbids sale or acceptance of quinine or any antimalarial agent in less than 5-grain lots, does not prohibit such transactions if the product involved was manufactured prior to January 9, the Director General for Operations ruled January 27 through the issuance of M-131 as amended.

The above ruling also applies to other restrictions in the order, as amended January 9, on the sale or acceptance of an antimalarial agent. In effect, it provides that any antimalarial gent manufactured prior to January 9 is subject only to the restrictions in force before that date. The order states, however, that a certificate in the form given in the order must be filed for each sale, transfer or delivery of an antimalarial agent manufactured prior to January 9.

72d—OPD—Year

Pyrethrum Processors Industry Group Formed

OPD Washington Bureau

Appointment of an advisory committee for the pyrethrum processors industry was announced January 27 by the War Production Board. Warren H. Moyer, chief of the insecticides and fungicides unit of the Chemicals Division, was named government presiding officer. Industry members are:

W. E. Dermody, Gulf Oil Corporation, Pittsburgh; C. B. Gnandinger, McLaughlin Gormley King Company, Minneapolis; L. P. Jones, McCormack & Co., Baltimore; Harold King, R. J. Prentiss & Co., New York; R. P. Neptune, Allaire-Woodward & Co., Peoria, Ill.; J. B. Rosefield, Anfo Manufacturing Company, Oakland, Calif.; H. F. Seeland, Stanco, Inc., Elizabeth, N. J.; J. C. Stirton, Standard Oil Company of California, San Francisco; R. B. Stoddard, Dodge & Olcott, New York; Dr. Alfred Weed, John Powell & Co., New York; Harold Nobel, S. B. Penick & Co., New York.

F.W.D.A. Meeting Program Completed

The program for "The Road Ahead Conference," at a meeting of the Federal Wholesale Druggists Association, in the Biltmore hotel, this city, February 3 and 4, follows:—

Wednesday, Feb. 3

Road Ahead for the Nation

A. D. Whiteside, of Dun & Bradstreet.

Carl Hendrickson, National Planning Unit, U.S. Department of Commerce.

Ralph Hendershot, financial editor, N. Y. World-Telegram.

Paul T. Cherington, McKinsey & Co.

Walter C. Baumhogger, president, United Cigar-Whelan Drug Stores.

James Hill, Jr., president, Sterling Drug, Inc.

Carlton K. Maston, Committee on Economic Development.

Afternoon Session

Road Ahead for Pharmacy

Dr. Arthur Freeborn Chace, president, New York Academy of Medicine.

Brig. Gen. Joseph W. Byron, chief, Army Exchange Service.

H. W. Meyer, International Cellucotton Products Company.

F. S. Dieterich, of the Mennen Company.

I. K. Fearn, of American Thermos Bottle Company.

On February 4 there will be morning and afternoon sessions for active members of the association.

72d—OPD—Year

Uranium and Salts Ceramic Use Banned

Delivery of uranium and its compounds for use in ceramics was forbidden January 26 by Conservation Order M-285, issued by the Director General for Operations. Order M-285 expressly forbids, after January 26, sale and delivery, and purchase and receipt of uranium and its compounds for use in glass, pottery, tile, and other ceramic products.

OPD—2-1-1943

Electronics creates a wonder world!

How Chemical Purity contributes to this new miracle of science

Electronics—the new science of putting the electron to work!

Today . . . the electron tube guides the destinies of armies and fleets all over the world.

Tomorrow—this miracle-working tube which sees, hears, tastes, feels and smells with amazing sensitivity—will revolutionize our peace-time lives.

It will invade industry in all its aspects, save energy, save time, save money, protect life and property.

Baker is playing its part in contributing chemicals of extraordinary purity to make possible the coating of the filament used in the electron tube. Here, *purity is demanded* — so that transmission of electronic power may not be impeded.

This is only one of the many instances where *purity,* as exemplified by Baker Chemicals, has increased efficiency in today's forward march of industry.

Baker's Chemicals (purity by the ton) have been supplied to many manufacturing concerns for the manufacture or processing of many products.

If you have special chemical requirements for war-production products, we invite you to discuss your needs in confidence with Baker.

J. T. Baker Chemical Co., Executive Office and Plant: Phillipsburg, N. J.
Branch Offices: New York, Philadelphia and Chicago.

Baker's

INDUSTRIAL CHEMICALS

Current Market Quotations Chemicals and Related Materials

January 29, 1943

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, arabic).
Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —
Acetaldol (see Aldol).
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
500-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .36 - —
smaller lots.....lb. .37 - —
dms., 25-lb. lots.....lb. .42 - —
kgs., 2,000-lb. lots.....lb. .37 - —
smaller lots.....lb. .38 - —
powd., bbls., 2,000-lb. lots..lb. .34 - —
smaller lots.....lb. .35 - —
dms., 25-lb. lots.....lb. .40 - —
kgs., 2,000-lb. lots.....lb. .35 - —
Acetoacetanilide, bbls., fib. dms., 75-lb. lots..lb. .49 - —
smaller lots.....lb. .67 - —
Acetone, CP,[1] dms., c.l., dlvd. E.[6] lb. .08¼- —
l.c.l., dlvd.....lb. .09 - —
tanks, dlvd.....lb. .07 - —

[6] OPA ceiling for Eastern territory (the State of New Mexico, Colorado, Wyoming, Montana and all States east thereof); ceilings ½c. per lb. higher for Western territory (all other States of the United States).

Acetonitrile, dms., c.l., works..lb. .75 - —
10-dm. lots, same basis....lb. .90 - —
5-dm. lots, same basis....lb. 1.00 - —
5-gal. lots, same basis....lb. 1.25 - —
less than 5-gal. lots, same basis..lb. 1.50 - —
Methyl (see M).
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
dms., 50 lbs.....lb. 1.08 - —
25 lbs.....lb. 1.10 - —
Acetophenone, cns., dms.....lb. 1.55 - 1.60
Acetyl chloride, cbys., works..lb. .60 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —
Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
cbys., cs.....100 lbs. 3.88 - 4.13
56%, bbls.....100 lbs. 5.58 - 5.83
cbys., cs.....100 lbs. 6.08 - 6.58
70%, bbls.....100 lbs. 6.68 - 6.93
cbys., cs.....100 lbs. 7.18 - 7.43
80%, bbls.....100 lbs. 7.47 - 7.72
cbys., cs.....100 lbs. 7.97 - 8.12
glacial, nat., CP, cbys.100 lbs.13.50 -13.75
99.5%, bbls.....100 lbs. 9.15 - 9.40
cbys.....100 lbs. 9.65 - 9.90
tanks, works.....100 lbs. 6.93 - —
USP, cbys.....100 lbs.11.70 - —
synth., CP, dms., works.... 100 lbs.12.50 -13.50
99.5%, bbls., works..100 lbs. 9.15 - 9.40
cbys., works.....100 lbs. 9.65 - 9.90
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.25 - 6.93
USP XII, dms., works.... 100 lbs.10.50 -11.00
pure, 30%, bbls....100 lbs. 4.44 - 4.69
cbys., cs.....100 lbs. 4.94 - 5.19
36%, bbls.....100 lbs. 4.86 - 5.11
cbys., cs.....100 lbs. 5.36 - 5.61
60%, bbls.....100 lbs. 7.60 - 7.85
cbys., cs.....100 lbs. 8.10 - 8.35
80%, bbls.....100 lbs. 9.26 - 9.51
cbys., cs.....100 lbs. 9.76 -10.01

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply delivered within the Metropolitan zones unless otherwise indicated in the above prices.

Acetic, anhydride,[4] dms., c.l., frt. alld..lb. .11½- —
l.c.l., dms., frt. alld.....lb. .13 - —
Acetylsalicylic,[1] producers, primary jobbers, special, USP, 200-lb. bbls., f.o.b. shipment points*..lb. .45 - —
100-lb. kgs., same basis, lb. .45 - —
25-lb. dms., same basis, lb. .46 - —
5-lb. ctns., same basis, lb. .59 - —
†1-lb. ctns., same basis, lb. .61 - —
Standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - —
100-lb. kgs., same basis, lb. .40 - —
25-lb. dms., same basis, lb. .41 - —
5-lb. ctns., same basis, lb. .54 - —
†1-lb. ctns., same basis, lb. .56 - —

* Freight equaled, shipment identical quantity, over standard routes, from N. Y. City, Phila., Midland, Mich.; Chicago, and St. Louis.
† 3c. per lb. may be added for acid packaged in canisters, and 8c. per lb. when packaged in 1-lb. bots.

Adipic, fib. dms., works....lb. .31 - —
Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous[6] tech. (see Arsenic, White).
USP, powd., dms., kegs...lb. .20 - .22
Ascorbic,[1,4] 1,000-oz lots, dms., oz. 1.00 - —
500-oz. lots, dms.....oz. 1.01 - —
100-oz. lots, bots.....oz. 1.01 - —
50-oz. lots, bots.....oz. 1.04 - —
25-oz. lots, bots.....oz. 1.07 - —
Acid, battery, cbys., c.l., E. works..100 lbs. 1.60 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric,[3] tech., 99.5%, cryst. (same as prices for powder). gran., bgs., c.l., frt. alld. ton.99.00 - —
ton lots, ex whse ...ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld....ton.100.00 - —
ton lots, ex whse....ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton.95.50 - —
powd., bgs., c.l., frt. alld. ton.104.00 - —
ton lots, ex whse....ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld...ton.114.00 - —
ton lots, ex whse....ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va...lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Cacodylic, 5-lb. bots.....lb.22.00 - —
Camphoric, cns.....lb. 6.96 - 7.00
Capric, dms.....lb. .21½ Nom.
Caprylic, dms.....lb. .27 - .27½
Castor oil,[3] split, dms.....lb. .20¾- .21¼
Chlorosulphonic, dms., c.l., wks. lb. .03 - —
5-drum lots, works.....lb. .03½- —
single drums .....lb. .04½- —
tanks, works.....lb. .02½- —
Chromic,[2,3] 99½-99¾%, dms., c.l., dlvd. N. Y...lb. .16¼- —
l.c.l., 5 tons, dlvd. N. Y., lb. .16¾- —
smaller quantities, dlvd. N.Y..lb. .17¼- .18¼
Cinnamic, refd., bots.....lb. 3.50 Nom.
Citric,[1] cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one ship. lb. .20½- —
200-10,000 lbs. .....lb. .21 - —
100 lbs., dms., or kgs..lb. .21½- —
50 lbs., dms., or ctns..lb. .23 - —
25 lbs., dms., or ctns..lb. .24 - —
5 lbs., in 5-lb. cont...lb. .29 - —
anhyd., gran., dms., c.l..lb. .22½- —
10,000 lbs., one shipment. lb. .23 - —
smaller lots .....lb. .23½- .26½

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y., Chicago and St. Louis deliveries are ½c. higher than N.Y.

Cleve's, bbls.....lb. .65 - —
Coconut oil,[3] dist., dms.....lb. .18½ Nom.
Cottonseed oil,[3] dist., dms....lb. .14 - .14½
tanks .....lb. .13½- —
Cresylic (coaltar),[3] high-boil 50%, (210°-215°), dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis.gal. .83 - —
tanks .....gal. .75 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks .....gal. .75 - —
low-boil (50%, 204°-208°), dms., c.l., works, frt. equald.gal. .81 - —
l.c.l., same basis...gal. .83 - —
tanks .....gal. .75 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis..gal. .83 - —
tanks .....gal. .75 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over, lb. .11 - —
1-24 cbys. .....lb. .11½- —
Fumaric, tech., special, bbls., ton lots..lb. .27 - —
smaller lots, bbls., dms..lb. .28 - .31
Gallic, NF VII, bbls., 200 lbs., 5 or more..lb. 1.27 - —
less than 5.....lb. 1.30 - —
fib. dms., 25 lbs.....lb. 1.34 - —
technical, bbls.....lb. 1.05 - 1.13
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
50-lb. dmjn.....lb. .21 - —
25-lb. dmjn.....lb. .23 - —
5-lb. bots. .....lb. .29 - —
H, bbls. .....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
6-lb. bots. .....lb. 2.57 - —
57%, bots. .....lb. 2.90 - —
Hydrobromic, dilute, 10%, cbys., lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
Hydrofluoric, 30%, lead cbys., frt. alld..lb. .09 - —
rubber dms., same basis..lb. .08 - —
wooden bbls., same basis..lb. .06 - —
48%, lead cbys., same basis..lb. .12 - —
rubber dms., same basis..lb. .11 - —
52%, lead cbys., same basis..lb. .13 - —
rubber dms., same basis..lb. .12 - —
Acid, hydrofluoric, 60%, lead cbys., same basis..lb. .14 - .16½
rubber dms., same basis..lb. .13 - .16½
steel dms., same basis...lb. .13 - —
Hydrofluosilicic, 30 - 35%, 420 lbs., bbls..lb. .08 - .09
Hypophosphorous, USP, 30%, djns..lb. .75 - .80
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
5 to 19.....lb. .13 - —
1 to 4.....lb. .13½- —
80%, bbls., cbys., 5 or more, lb. .24¼- —
1 to 4.....lb. .24¾- —
plastic grade, bbls., cbys., 20 or more..lb. .14¼- —
5 to 10 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15¼- —
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works..... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works..... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XI, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Lauric, dist., tech, dms.....lb. .20 Nom.
Laurent's, bbls.....lb. .45 - —
Linseed oil,[3] light, dms.....lb. .19 - .19½
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kgs.....lb. .47 - —
Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works .....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .17 - —
purified, bbls.....lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works..100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
CP, dealer, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .06 - —
6-lb. bots.....lb. .19 - —
Myristic, dist., dms.....lb. .19 - .19½
Naphthenic,[6] 220 - 230 acidity, dms., c.l., works..lb. .13 - .14
l.c.l., works.....lb. .13 - .15
tanks, works.....lb. .10 - .13
235-245 acidity, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .15 - —
tanks, c.l., works.....lb. .13 - —
Nicotinic, 1,000-lb. lots, fib. dms., lb. 5.00 - —
100-lb. fib. dms.....lb. 5.15 - —
50-lb. fib. dms.....lb. 5.25 - —
25-lb. fib. dms.....lb. 5.30 - —
5-lb. tins.....lb. 5.46 - —
1-lb. bots.....lb. 5.50 - —
Nicotinic, amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western, works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works, 100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works..... 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works, 100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
CP, USP, dealers, cbys....lb. .11½- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleic (see Oil, red).
Oleum (see Sulphuric fuming).
Oxalic,[1] dom., bbls., c.l., works, lb. .11¼- —
10,000 lbs. or over.....lb. .11¼- —
smaller quantities...lb. .12¼- —
Palm oil,[3] white dist., dms..lb. .13 - .13½
tanks .....lb. .12¼- —
Paraminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Phenylacetic, bots..... ...lb. 1.85 - 3.00
Phosphoric, pure food grade, 50%, c.l., bbls., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., works, frt. equald. 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld..100 lbs. 5.25 - 6.25
1 to 9, cbys. works, frt. alld..100 lbs. 6.25 - 7.25
tankwagon, dlvd. N. Y., Phila., Met. area..100 lbs. 4.00 - —
75%, c.l., bbls., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald.. 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld..100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.00 - 9.50
Acid, phosphoric, 75%, tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagons, dlvd. N. Y., Phila., Met. area..100 lbs. 4.75 - —
USP, 180-lb. cbys., c.l.....lb. .10¼- —
10 cbys., to c.l.....lb. .11¼- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10¼- —
25 cbys., to c.l.....lb. .11¼- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
10% dilut., cbys., djns....lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic, synth., pure, 55-gal. dms., returnable, works..lb. .15 - —
tanks, works.....lb. .14 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.45 - —
cns. .....lb. 1.62 - —
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split). tech., dms., works.....lb. .32 - .37
Salicylic[1], tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, tech., bbls., works..lb. .65 - .69
Soybean oil,[3] dist., dms.....lb. .17¾- .18½
Stearic,[3] double pressed, bgs., dlvd..lb. .14½- .15½
single pressed, bgs., dlvd..lb. .14 - .15
triple pressed, bgs., dlvd..lb. .17½- .18½
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works..lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric,[6] 60°, cbys., c.l., E. works....100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
6-lb. bots.....lb. .15½- —
consumers, cbys.....lb. .06 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works. ton.19.50 - —
Tannic,[6] tech., bbls., dms..lb. .71 - .73
USP, fluffy, bbls., 1,000-lb. lots..lb. 1.33 - —
100-lb. lots .....lb. 1.35 - —
25-lb. lots .....lb. 1.38 - —
powd., bbls., 1,000 lbs....lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt..lb. .70½- —
smaller quantities.....lb. .71 - —
kgs. .....lb. .71½- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. pkgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.40 - 1.45
Root, bls.....lb. 1.55 - 1.60
Aconitine, amorph., bots.....oz.28.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile,[6] dms., frt. alld.lb. .39½- —
5,000 lbs. or more, works..lb. .40 - —
1 ton to 4,999 lbs., works..lb. .40½- —
1 dm. to 1 ton, works.....lb. .41 - —
tankcars, frt. alld.....lb. .39 - —
Adeps lanae,[1] USP, anhyd.. dms. lb. .30 - .33
hyd., dms.....lb. .29 - .32
Agar,[6] Kobe, No. 1, strip....lb. 3.50 - —
dom., f.o.b. San Diego, Cal..lb. 3.00 - —
Agaric, white, bls.....lb. 3.75 - 4.00
Albumen, blood, dom., dms., f.o.b. Chicago..lb. .65 - .70
soluble, dried, c.l., same basis..lb. .13½- —
bg. lots, same basis.....lb. .15 - .20
imported, bgs..... No prices
Egg, ed., dom., cryst., bbls..lb. 1.75 - 1.76
powd., dom., bbls.....lb. 1.81 - 1.86
tech., cryst., bbls.....lb. 1.60 - 1.65
import. cs.....lb. No prices
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
tertiary, refd., dms., l.c.l., frt. alld. E. of Miss. R..lb. .09 - —
Benzyl, cns.....lb. .65 - .75
dms. .....lb. .63 - —
Butyl, normal,[1,6] dms., c.l., frt. alld., *East..lb. .11¾- .15½
l.c.l., frt. alld.....lb. .12¾- .15¾
tanks, frt. alld.....lb. .10¾- .14¼

* The term 'Eastern' territory means the States of New Mexico, Colorado, Wyoming, Montana and all States east thereof, and the term 'Western' territory means all other States of the United States

secondary,[6] dms., c.l., frt. paid E. of Miss..lb. .091 - —
l.c.l., same terms.....lb. .096 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing c.l., dms., lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Price Ceiling
[2]—Price Suggestion or Agreement
[3]—Full Priority Control
[4]—Industry Control
[5]—General Limitation Order
[6]—Allocation

Alcohol, cinnamic, bots.....lb. 5.00 - 8.00
Denatured,[1,2,3] CD14, dms., c.l., dlvd. E..gal. .65 - —
l.c.l., dlvd., dms.....gal. .70 - —
CD14, tanks, E., dlvd.....lb. .55 - —

Prices for territories other than E. of Rockies are 5c. per gal. less than Eastern works quotations. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works..gal. .64 - —
19 bbls., E. works..gal. .66 - —
1 to 18 bbls., E. works, gal. .69 - —
*dms., c.l., E. works..gal. .56½ - —
19 dms., E. works...gal. .58½ - —
1-18 dms., E. works.gal. .61½ - —
tanks, E. works.....gal. .53 - —

*Prices are dms., extra. Deposit, $5 per dm., returnable for full credit.

Anhydrous 3c. per gal. higher.
SD2B, bbls., c.l., works, E... gal. .61 - —
19 bbls., works, E...gal. .63 - —
1 to 18 bbls., works, E. gal. .66 - —
*dms., c.l., E. works..gal. .53½ - —
19 dms., E. works...gal. .55½ - —
1-18 dms., E. works.gal. .58½ - —
tanks, E. works.....gal. .50 - —

*Prices are dms., extra. Deposit, $3 per dm., returnable for full credit.

CD28G (Replaced by SD28H), SD28H, works, c.l., bbls.gal. .64½ - —
19 bbls.....gal. .66½ - —
1 to 18 bbls.....gal. .69½ - —
*dms., c.l., works...gal. .57 - —
19 dms., E. works..gal. .59 - —
1-18 dms., E. works.gal. .62 - —
tanks, E. works.....gal. .56½ - —

*Prices are dms. extra. Deposit, $5 per dm. Returnable for full credit.

SD29, denatured with acetaldehyde, bbls., c.l., E. works..gal. .62 - —
l.c.l., 19 or more, E. works..gal. .65½ - —
1 to 18, E. works....gal. .68½ - —
*dms., c.l., E. works..gal. .54½ - —
19 dms., E. works..gal. .56 - —
1-18 dms., E. works.gal. .61 - —
Tanks, E. works.....gal. .51 - —

*Prices are dms. extra. Deposit, $5 per dm. Returnable for full credit.

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD2E, plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, gal. .61 - —
20 dms. to c.l.....gal. .63 - —
1 to 9 dms.....gal. .66 - —
tanks, E. works.....gal. .54 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd..lb. .11½- .14½
l.c.l., dlvd.....lb. .13½ - .15
tanks, dlvd.....lb. .10½- .12½
tech., dms., c.l., dlvd...lb. .11 - .13½
l.c.l., dlvd.....lb. .11½- .14
tanks, dlvd.....lb. .10 - .12½

Ethyl, 190 pf., ex. molasses, dms., c.l..gal.11.99 - —
19 dms.....gal.12.02½- —
5 to 18 dms.....gal.12.06½- —
1 to 4 dms.....gal.12.06½- —
tanks .....gal.11.92 - —
absolute, dms., c.l.....gal.12.04 - —
5 to 18 dms.....gal.12.70½- —
1 to 4 dms.....gal.12.70½- —

Ethyl alcohol in bbls. 4c. higher than dms. Grain alcohol is 10c. per gallon more than the above prices on molasses alcohol.

Ethylhexl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 23,000 lbs., works, lb. .32½- —
l.c.l., 500 lbs. and more, works..lb. .25 - .35
tanks, wks.....lb. .20 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0660- —
tanks, same basis.....lb. .0760- —
Isopropyl,[2,6] refd., 91%, dms., 5 gals., f.o.b. dest..gal. .05½- —
55 gals., c.l., same basis, gal. .39 - —
l.c.l., same basis...gal. .43½- —
tanks, frt. alld.....gal. .34 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .44 - —
l.c.l., same basis...gal. .47 - —
tanks, same basis.....gal. .37½- —
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .60 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works.. gal. .67 - .70
Octyl (see Ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, 5,000 lbs., f.o.b. Waverly, N. Y..lb. .44 - —
475-lb. lots, same basis...lb. .50 - —
car lots, wks.....lb. .40 - —
cns., f.o.b. Cedar Rapids, Ia., lb. .55 - —
Aldehol, denat. grade, dms., tanks, works..gal. .70 - .72
Aldol, 85 and 110-gal. dms., c.l., works...lb. .12 - —
l.c.l., works.....lb. .13 - —
5-10-gal. dms., works...lb. .15 - —
Aletris root, bgs.....lb. .70 - .85
Algin, fib. dms.....lb. 1.00 - 1.25
Alisarin (see Red, alisarin).
Alkanet root, bgs.....lb. 1.75 - 1.80
Allspice,[1] Mexican, bgs.....lb. .22 - .23½
Alpha tocopherol, ampules, per gram. 1.00 - 1.50
Aloe, Cape, cs.....lb. .15 - .16
Curacao, cs.....lb. .70 - .75
Socotrine, kgs.....lb. .58 - .60
Aloin, 140-lb. bbls.....lb. 5.45 - —
100-lb. kgs.....lb. 5.47 - —
25-lb. fib. dms.....lb. 5.54 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .23 - —
Althea root, whole, bbls.....lb. .68 - 1.35
Alum, ammonia,[6] burnt, USP, bbls., kgs...lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil...100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
Alum, ammonia, powd., bbls., works..100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd., N.C. price apply to truck or ex warehouse.

Potash, gran., bbls., works.... 100 lbs. 4.25 - —
dlvd., N. Y., Phila..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phila..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd. N. Y., Phila...100 lbs. 4.65 - —
Potash alum prices on same basis as those for ammonia alum.
Alumina acetate, solut., basic 24%, c.l., bbls., 10 or over, dlvd., lb. .10½- —
1 to 9, dlvd.....lb. .11 - —
normal, solut., 20%, bbls., l.c.l., 10 or over, dlvd..lb. .09½- —
1 to 9, dlvd.....lb. .10 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,100 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works..lb. .11 - —
100 lbs. or less, works..lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solut., 32 deg., cbys., c.l., works..lb. .02½- —
l.c.l., works.....lb. .03¼- —
Fluoride, bbls.....lb. .35 - .40
Hydrate,[6] heavy, bbls., c.l., works..lb. .0340- —
l.c.l., bbls., works..lb. .04 - —
bgs., c.l., works.....lb. .1310- —
light, 50-lb. bgs., dlvd.....lb. .14½- —
25-lb. bbls., dlvd.....lb. .15 - —
Oleate, dms., contract.....lb. .24½- —
Palmitate, precip., bbls.....lb. .25 - .26
Resinate, precip., dms.....lb. .15½- —
Stearate, precip., bbls., ctns., c.l..lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald., 100 lbs. 1.40 - 1.50
bbls., c.l., works....100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald., 100 lbs. 1.60 - 1.70
iron free, bgs., c.l., works, 100 lbs. 1.75 - 1.85
l.c.l., works.....100 lbs. 2.00 - 2.10
bbls., c.l., works.....100 lbs. 1.95 - 2.05
l.c.l., works.....100 lbs. 2.20 - 2.30
98-99%,[2,3,4] c.l.....lb. .15 - —
l.c.l. .....lb. .16 - —
Aluminum paste,[6] lining, extra fine, 200-lb. dms...lb. .56 - .69
ink, 150-lb. dm.....lb. .71 - —
standard, 200-lb. dm.....lb. .53 - —
powder,[6] lining, extra, fine, 150-lb. dm..lb. .98 - —
litho, 150-lb. dm.....lb. .57 - —
standard, 200-lb. dm.....lb. .59 - —
rubber compound, 200-lb. dm. lb. .40 - —
unpolished, standard, 250-lb. dm..lb. .38 - —
varnish, standard, 300-lb. dm., lb. .40 - —

Aluminum powder, and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. for 50-lb. dm., 8c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz.17.00 -18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia,[6] anhydrous, fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va., ton.90.00 - —
refrigeration, tanks, works..lb. .05 - —
pure, cycls., dlvd., Met., N.Y., lb. .16 - —

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .05½- —
dms, c.l.....lb. .02½- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content) f.o.b. works..lb. .04 - —
Benzoate, USP, dms., kgs., 4,000 lbs. or more..lb. 1.06 - —
1,000 lbs. to 3,900 lbs.....lb. 1.07 - —
900 lbs. or less.....lb. 1.10 - —
Bicarbonate, dms., dlvd., Met., N. Y..lb. .0564- .0614
Bichromate, bbls.....lb. .20 - .22
Bifluoride, bbls.....lb. .16 - .18
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls., dms..lb. .31 - .35
bxs. .....lb. .24 - .28
kgs. .....lb. .32 - .36
Carbonate, lump, dms., dlvd., Met. N. Y..lb. .08½- .09½
cns., same basis.....lb. .14½- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammonium, sal).
USP, gran., 225-lb. bbls....lb. .10 - —
100-lb. kgs.....lb. .12 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .18 - .20
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms...lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 2.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls..lb. .12 - —
Molybdate, kgs., works.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .23 - .29
Perchlorate, kgs.....lb. .55 - .65
Persulphate, kgs., dom.....lb. .25½- .28½
Phosphate, dibasic, NF V, bls. lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08¾- .09¼
Ammonia, phosphate, monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works..unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphamate, 6 bbls., or more, works..lb. .18 - —
2 to 5 bbls., works.....lb. .20 - —
single bbls., works.....lb. .24 - —
smaller lots, works.....lb. .29 - —
Sulphate,[1] dom., bulk, f.o.b. cars at any one of 45 inland producing ovens..ton.28.20 - —
f.o.b. cars, at any one of 21 Atlantic Coast ports, ton.29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 45%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 38%, cbys., works..lb. .06 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, dms.....lb. .45 - .55
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., works..100 lbs. 5.50 - 5.75
l.c.l., same basis..100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .13 - .15
l.c.l., dlvd.....lb. .12½- .17½
tanks, dlvd.....lb. .11½- .16
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - .90
Caproate, cns.....lb. 2.75 - —
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06 - —
Ether, dms., c.l., works.....lb. .09½- —
l.c.l., works.....lb. .10 - —
tanks, works.....lb. .08½- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .31 - —
Salicylate, 5-lb. bots.....lb. .85 - 1.25
Stearate, dms., l.c.l., works..lb. .23½- —
Amylene, dms., c.l., works....lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Amylnaphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., dms., works.....lb. .16 - —
Anethol, bots.....lb. 2.35 - 2.40
cans .....lb. 2.25 - 2.30
Angelica root, dom., bls.....lb. .35 - 1.25
import, natural, bls.....lb. 2.25 - —
Angostura, bark, bls.....lb. .22 - .25
Anilin oil,[6] dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .12½- —
Salt, dms., works.....lb. .22 - .24
Anise,[1] Cyprus, bgs.....lb. .37½- .38
Ecuador, bgs.....lb. .53 - .54
Mexican, fair, bgs.....lb. .50 - .51
Spanish, bgs.....lb. .53 - .58½
Star .....lb. .46 - .48
Syrian, bgs.....lb. .30 - .26½
Turkish, bgs.....lb. .34½- .35
Anisic aldehyde, bots.....lb. 3.25 - 3.35
Annatto paste, bxs.....lb. .24 - .29
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[2,4] bulk, c.l., works...lb. .14½- —
Needle, brown, Bolivian, 67%, lb. .18½- —
Chinese, black, 70%.....lb. .20 - .22
Oxide,[4] bgs., c.l.....lb. .15 - —
l.c.l. .....lb. .15½- —
Salt, 65%, bbls., dlvd. E. of Miss. River..lb. .40 - —
Sulphide, 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, bbls.....lb. .28 - —
Areca nuts, powd., bbls.....lb. .25 - .26
Arecoline, hydrobromide, bots., oz.11.25 -11.50
Argols, test 70% to 85% basis, 100%, 100 kgm. purity, f.o.b. Spaninsh ports..100 kilos.106.00 - —
Argentine, f.o.b. N. Y.....kilo.132.00 -134.00
Arnica flowers, bls.....lb. 2.65 - 2.70
Root, bls.....lb. 1.00 - 1.25
Arrowroot, St. Vincent, powd., bgs..lb. .09½- .10
bbls. .....lb. .10 - .10½
Arsenic,[6] metal, lump, c.l.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
Trisulphide, l.c.l., works....lb. .30 - .35
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Asafetida, cs.....lb. .55 - .60
powd., cs.....lb. .30 - .35
Asbestine (see Talc, N. Y. fibrous).
Asbestos fibres, 5D and 5K, bgs., c.l (20 tons). Canad. mines, ton.49.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.44.00 - —
6D, bgs., c.l. (20 tons, Canad. mines..ton.33.00 - —
7D, bgs., c.l. (20 tons), Canad. mines..ton.28.50 - —
7F, bgs., c.l. (20 tons, Canad. mines..ton.26.50 - —
7H, bgs., c.l. (20 tons), Canad. mines..ton.22.50 - —
7K, bgs., c.l. (20 tons), Canad. mines..ton.19.00 - —
7M, bgs., c.l. (20 tons), Canad. mines..ton.16.50 - —
7R, bgs., c.l. (20 tons), Canad. mines..ton.15.50 - —
Asphaltum, Manjak No. 10, crude, f.o.b. plant..lb. .05¼- .12
process form, bgs., f.o.b. plant..lb. .05¾- .12
jet, bgs., 2,000 lbs., gross weight lots, bgs., f.o.b. Colorado shipping point.. ton.30.00 - —
Barbadoes, any quantity, f.o.b. Dunellen, N. J..lb. .10½- —
California, dms., c.l., f.o.b. N.Y., ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.40.00 - —
Asphaltum, Cuban A, bgs., c.l., f.o.b. N. Y..ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y. lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, 340 F. fusing point, bgs., gross weight, f.o.b. western shipping points....ton.32.00 - —
seconds, 370-390 F. fusing point, not uniform, same basis .....ton.25.50 - —
brilliant, selects, 290-295 F. fusing point, same basis. ton.30.50 - —
270 F. fusing point, same basis .....ton.30.50 - —
seconds, 300-350 F. fusing point, not uniform, same basis .....ton.25.50 - —
jet, 2,000 lbs. gross weight lots, bgs., f.o.b. Colorado shipping point..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.21.00 - —
l.c.l., refinery.....ton.21.00 -26.00
tanks, refinery.....ton.16.00 - —
Atropine, bots.....oz.24.50 - —
Sulphate, bots.....oz.18.75 - —

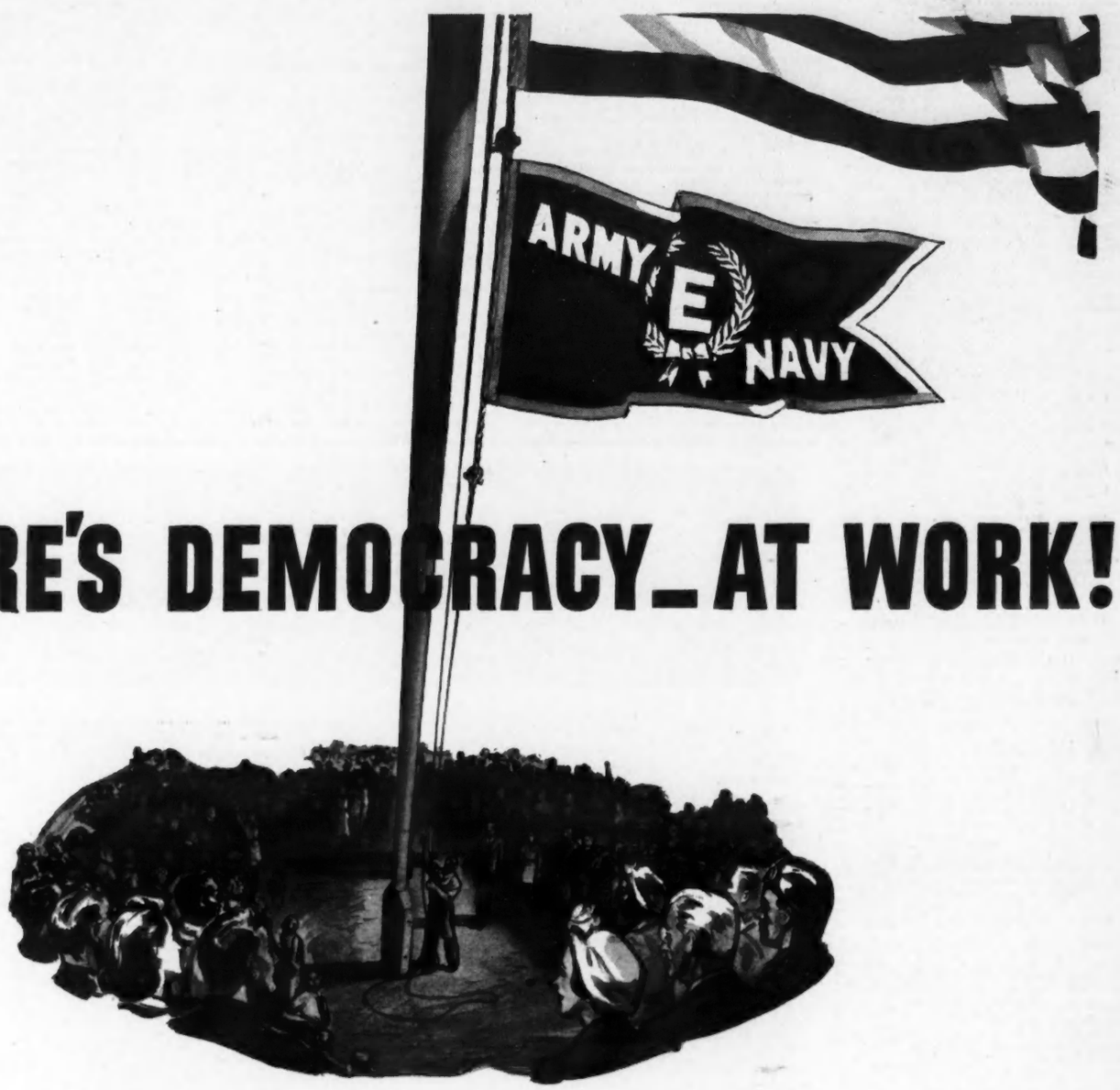
B

Balm of Gilead buds, bgs.....lb. .70 - .80
Barbasco root,[2,6] (see cube root).
Barberry bark, bgs.....lb. .75 - .80
Tree bark, bls.....lb. No stocks
Barbital, cs., dms.....lb. 2.50 - 2.60
sodium, cs.....lb. 2.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.48.00 - —
precip., bgs., c.l., works..ton.55.00 - —
l.c.l., works.....ton.60.00 - —
bbls., c.l., works.....ton.60.00 - —
l.c.l., works.....ton.65.00 - —
sulphur-free, c.l., works..ton.60.00 - —
l.c.l., works.....ton.65.00 - —
Chlorate,[6] kgs.....lb. .26 - —
Chloride, CP, cryst., bbls.....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst. Zone 1, bgs., c.l. dlvd..lb.77.00 - —
l.c.l., dlvd.....lb.90.00 - —
bbls., c.l., dlvd.....lb.79.00 - —
l.c.l., dlvd.....lb.92.00 - —
Zone 2, bgs., c.l., dlvd..lb.81.00 - —
l.c.l., dlvd.....lb.94.00 - —
bbls., c.l., dlvd..lb.83.00 - —
l.c.l., dlvd.....lb.96.00 - —
Zone 3, bgs., c.l., dlvd..lb.87.00 - —
l.c.l., dlvd.....lb.100.00 - —
bbls., c.l., dlvd..lb.90.00 - —
l.c.l., dlvd.....lb.102.00 - —
Zone 4, bgs., c.l., dlvd..lb.93.00 - —
l.c.l., dlvd.....lb.97.50 - —
bbls., c.l., dlvd..lb.58.00 - —
l.c.l., dlvd.....lb.99.50 - —

Barium chloride, technical, zones are as follows: Zone 1, New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Ill., Wis., Ky., and principal cities on west bank of Miss. R., north of Miss., north of Ark., line.
Zone 2, Tenn., No. and So. Carolina, Ga., Ala., Miss., and Fla. Zone 3, Minn., Ia., Mo., Col., N. Mex., Idaho, Utah and Ariz. Zone 4, Wash., Ore., Calif., and Nev.

Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .18
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, cks.....lb. .11 - .13
Oxide, ungrd., dms., c.l., works, lb. .06 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns. (80 lbs. each), ton and carload lots..lb. .21 - —
less than ton lots.....lb. .22 - —
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .06½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse, N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis, ton.25.85 - —
l.c.l., same basis.....ton.26.85 - —
ex whse, N. Y.....ton.34.00 - —
Southern off color, bgs., mines..ton.17.50 - —
95.75%, bgs., mines.....ton.18.00 - —
ore, bulk, mines.....ton. 8.00 - —
German .....ton. No prices
Italian .....ton. No prices
Bauxite,[6] bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, bbls.....gal. 1.40 - 1.80
Bayberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.43 - 1.50
Root, bls.....lb. 1.20 - 1.25
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works..ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .55
NF VII, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol,[2,6] 90%, dms., returnable, works..gal. .29 - —
tankcars, frt. alld. up to 2c. per gal..gal. .15 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .22 - .24
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .59 Nom.
dms. .....lb. .55 Nom.
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.c.c., dms..lb. 1.00 - 1.10
Chloride, cbys., frt. equald...lb. .22 - .24
Cinnamate, cns.....lb. 5.15 - 5.50
Formate, cns.....lb. 2.50 - 2.75
Isoeugenol, bots.....lb. 9.50 - —
Propionate, bots.....lb. 4.00 - —
Salicylate, bots.....lb. 1.90 - 2.15
Benzylidineacetone, bots.....lb. 3.00 - 3.25
Berberine bisulphate, cns.....lb.23.50 -33.50
Hydrochloride, cns.....lb.23.50 -33.50
Sulphate, cns.....lb.23.50 -33.50
Berberis root, bls.....lb. .13 - .14
Betanaphthol, sublim., kgs.....lb. .55 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 1.75 - —
Salicylate, dms.....lb. 3.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .33 - .39

OPD—2-1-1943



HERE'S DEMOCRACY—AT WORK!

YES. We are proud of it—the coveted Army-Navy "E." As it flies there under the symbol of democracy—those familiar stars and stripes—it does more, much more, than challenge us to outstrip yesterday's feats.

It is the signal flag of democracy *at work.*

For it is one thing to promise deliveries on vital chemicals to the services. Another to draw up production schedules. And yet another to deliver the goods.

That accomplishment belongs to the workers in our plants. That accomplishment is the living proof of democracy *at work.*

It is solid testimony to the good will, cooperation, and loyalty existing here between the workers, the supervisors and the management of Calco.

And it is our tribute to those of us who have left temporarily to serve in the armed forces.

CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
BOUND BROOK, NEW JERSEY

Calco

BOSTON • PHILADELPHIA • PROVIDENCE, R. I. • NEW YORK • CHARLOTTE, N. C. • CHICAGO

Bismuth chloride, 5-lb. bots.	lb.	3.00	—
jars	lb.	2.85	—
Citrate, USP, VIII, 5-lb. bots.	lb.	2.86	—
jars	lb.	2.75	—
Hydroxide, 5-lb. bots.	lb.	3.46	—
cns	lb.	3.35	—
Metal, ton lots	lb.	1.25	—
Nitrate, cryst., 5-lb. bots.	lb.	1.45	—
cns	lb.	1.30	—
Oxychloride, 5-lb. bots.	lb.	3.19	—
cns., kgs.	lb.	3.10	—
Subbenzoate, 5-lb. bots.	lb.	3.51	—
fib. dms.	lb.	3.40	—
Subcarbonate, bots., cns.	lb.	1.52	- 1.63
175-lb. bbls., dms.	lb.	1.50	—
X-ray, 5-lb. bots.	lb.	2.79	—
fib dms.	lb.	2.73	—
Subgallate, bots., cns.	lb.	1.49	- 1.53
fib. dms.	lb.	1.40	- 1.43
Subiodide, bots.	lb.	4.24	—
fib. dms.	lb.	4.13	—
Subnitrate, powd., bots., cns.	lb.	1.23	—
250-lb. bbls., dms.	lb.	1.20	—
Subsalicylate, 60-66%, bots.	lb.	2.59	—
bbls., fib. dms.	lb.	2.50	—
Sulphocarbolate, 5-lb. bots.	lb.	3.76	—
fib. dms.	lb.	3.65	—
Trioxide, powd., 5-lb. bots.	lb.	3.76	—
cns	lb.	3.65	—
Bismuth ammonia, citrate, USP, powd., 25-lb. dms.	lb.	3.40	—
5-lb. cns.	lb.	3.45	- 3.50
Black,[3] acetylene, imp., c.l., works, duty paid.	lb.	.14	—
Bone, 1A, c.l.	lb.	.17	—
l.c.l.	lb.	.17½	—
2, c.l.	lb.	.13	—
l.c.l.	lb.	.13½	—
3, c.l.	lb.	.12	—
l.c.l.	lb.	.12½	—
4, c.l.	lb.	.11	—
l.c.l.	lb.	.11½	—
5, c.l.	lb.	.08½	—
l.c.l.	lb.	.09	—
6, c.l.	lb.	.08½	—
l.c.l.	lb.	.09	—
7, c.l.	lb.	.11½	—
l.c.l.	lb.	.12	—
8, c.l.	lb.	.12½	—
l.c.l.	lb.	.13	—

Bone black prices are for barrels or bags, freight allowed East. Pacific Coast prices are 1½c. per lb. higher, ex dock or ex whse.

Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants	lb.	.03625-	—
l.c.l., bgs. or cartons, f.o.b. whse.	lb.	.08	—
divd.	lb.	.06	—
beads, compressed, bgs., c.l., f.o.b. plants	lb.	.03850-	—
l.c.l., bgs. or cartons, f.o.b. whse.	lb.	.07½-	—
divd.	lb.	.07½-	—

Charcoal (see C).
Graphite (see G).

Iron oxide, magnetic, pure, bbls., l.c.l., works.	lb.	.06½-	—
Lamp, dom., 1, ctns., c.l., works.	lb.	.07½-	—
l.c.l., works	lb.	.09	—
2, ctns., c.l., works	lb.	.10	—
l.c.l., works	lb.	.11	—
2A, ctns., c.l., works	lb.	.11	—
l.c.l., works	lb.	.12	—
3, ctns., c.l., works	lb.	.14½	—
l.c.l., works	lb.	.15½	—
4, ctns., c.l., works	lb.	.16½	—
l.c.l., works	lb.	.17½	—
5, ctns., c.l., works	lb.	.18½	—
l.c.l., works	lb.	.20	—
6, ctns., c.l., works	lb.	.26½	—
l.c.l., works	lb.	.27½	—
7, ctns., c.l., works	lb.	.37½	—
l.c.l., works	lb.	.40	—
Mineral, vine type, bbls., l.c.l., f.o.b. works	lb.	.0434-	—
Vine, A, bbls., works or N. Y.	lb.	.04½-	.05
B, bbls., works or N. Y.	lb.	.05½-	—
kegs, f.o.b. N. Y.	lb.	.06	—
dms., c.l., frt. alld.	lb.	.09½ Nom.	

Black dyes are listed under Dyes.

Black Haw root bark, bls.	lb.	.39	- .40
Tree bark, bls.	lb.	.20	- .21
Black Indian hemp root, bls.	lb.	.20	- .26
Blanc fixe, dry, by-product, bgs., c.l., works.	ton.	60.00	—
l.c.l., works	lb.	67.50	—
direct process, bgs., c.l., f.o.b. Huntington, W. Va.	ton.	70	—
bbls.	ton.	75.00	—
l.c.l., same basis	ton.	75.00	—
bbls., same basis	ton.	80.00	—
pulp, 66⅔%, bbls., c.l., works,	ton.	40.00	—
l.c.l., same basis	ton.	46.50	—
Bleaching powder,[2,6] dms., c.l., works.	100 lbs.	2.50	- 3.10
l.c.l., works	100 lbs.	2.75	- 3.60
Blood, dried, dom., 16-16½% ammon., bgs., f.o.b. N. Y.,	unit-ton.	4.95	—
high-grade, unground, 16-17% ammon., bulk, f.o.b. Chicago	unit-ton.	5.38	—
import, bgs., c.i.f. ports, shipt.	unit-ton.	Nominal	
soluble (see Albumen, blood).			
Bloodroot, bls.	lb.	.35	- .36
Blue,[2] alkali, toner, bbls., divd. N. of Tenn. and N. C. E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis,	lb.	.35	- .90

Alkali blue toner prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.). Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Bronze, bbls., same basis, contracts.	lb.	.86	—
Celestial, bbls.	lb.	.10	- .12
Chinese, bbls., same basis, contracts.	lb.	.36	—
Cobalt,[6] genuine, 1-kilo pkg.	lb.	4.90	—
Imitation (see Blue, ultramarine).			
Copper phthalocyanin, bbls., f.o.b. works, frt. alld.		3.30	- 3.75
Milori, bbls., same basis, contracts.	lb.	.36	—
Molybdated, Victoria, same basis, contracts.	lb.	3.15	—
Peacock, same basis, contracts,	lb.	.52	—
Potash, dms., bbls., same basis, contracts.	lb.	.42	—
Prussian, bbls., same basis, contracts.	lb.	.36	—
Tungstated, peacock, kgs.	lb.	4.00	—
Victoria, kgs.	lb.	3.30	—
Methyl violet, kgs.	lb.	2.10	—
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald.	lb.	.23	- .27
jobbing grades, bbls., same basis.	lb.	.12	- .13
regular grades, bbls., same basis.	lb.	.17	- .27

Blue, ultramarine, divd. ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher, 100-lb. bgs., 1c. above bbls.; 28-lb. boxes, 5c. above bbls.

Blue, victoria ink toner, bbls., bbls., same basis alkali toner.	lb.	1.83	—
synthetic vehicle, bbls., same basis.	lb.	1.93	—

Blue dyes are listed under Dyes.

Blueflag root, bls.	lb.	.20	- .30
Blue mass, USP, cns., tubs.	lb.	1.67	- 1.84
powd., bots., cns., dms.	lb.	1.70	- 1.84

Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).

Bone, raw, dom., industrial, f.o.b. Chicago.	ton.	37.50	-65.00
junk, same basis.	ton.	31.00	—
Imported, South American campo and consumo.	ton.	No prices.	
meal, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Eastern works.	ton.	37.50	—
Chicago, works.	ton.	39.50	—
steamed, domestic, feeding grade, 1% ammon., 60% phos., bags, f.o.b. Eastern works.	ton.	47.00	—
Chicago, works.	ton.	51.00	—
fertilizer grade, 5% ammon., 50% phos., bags, f.o.b. Eastern works.	ton.	37.50	—
Chicago, works.	ton.	35.00	-36.00
Phosphate, precip. (see Calcium phosphate tribasic precip.).			
Boneset beans, bls.	lb.	.12	- .13
Borage flowers, bls.	lb.	.40	- .95
Borax,[2] tech., 99½% gran., bulk, c.l., frt. alld.	ton.	41.50	—
bgs., c.l., frt. alld.	ton.	45.00	—
ton lots, ex whse.	ton.	56.00	—
less than ton lots, ex whse.	ton.	61.00	—
bbls., c.l., frt. alld.	ton.	55.00	—
ton lots, ex whse.	ton.	66.00	—
less ton lots, at whse.	ton.	71.00	—

Borax, tech., 99½%, powd., bgs., frt. alld.	ton.	50.00	—
ton lots, ex whse.	ton.	61.00	—
less than ton lots, ex whse.	ton.	66.00	—
bbls., c.l., frt. alld.	ton.	60.00	—
ton lots, ex whse.	ton.	71.00	—
less than ton lots, ex whse.	ton.	66.00	—

USP $15 per ton higher.

Bordeaux mixture dms., c.l., dealers.	lb.	.11	—
l.c.l., dealers, dms.	lb.	.11½-	—

Bordeaux mixture prices are works or whse. basis, frt. alld. to dest., in lots of 96 lbs. and over, no trucking or freight allowance for works or warehouse pickups.

Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).

Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies.	lb.	.25	- .30
single pkgs., same basis.	lb.	.30	- .35
Bromoform, USP, 100-lb. lots, bots.	lb.	1.50	—
cbys.	lb.	1.42	—
Bromstyrol	lb.	4.30	- 5.00
Bronze powder, aluminum (see A).			
Gold, litho, cns., dms., over 10 lbs.	lb.	.60	- .65
moulding, cns., dms., over 10 lbs.	lb.	.80	- 1.00
printing ink, cns., dms., over 10 lbs.	lb.	.85	- 1.20
radiator, cns., dms., over 10 lbs.	lb.	.45	- .50
Broomtops, bls.	lb.	.15	- .18
Brown,[2] iron oxide, pure, precip., cks., f.o.b. N.Y.	lb.	.12	—
Metallic, iron oxide, bbls., wks.	lb.	.02½-	—
paper bgs., c.l., works.	lb.	.0235-	—

Brown, sap, crystals, dom., works.	lb.	.12	—
powdered	lb.	.13	—
Sienna, burnt, American, bbls., f.o.b. works.	lb.	.03¾-	.05
Italian, Amer. replacement type, bbls., f.o.b. works.	lb.	.09¾-	.10¾
raw, American, bbls., f.o.b. works.	lb.	.04	- .10
Italian, Amer. replacement type, bbls., f.o.b. works.	lb.	.08	- .10
Umber, Amer., bbls., works.	lb.	.03¾-	—
works.	lb.	.03¾-	—
Italian type, Amer. replacement, bbls., works.	lb.	.04¾-	—
Turkey type, bbls., l.c.l., f.o.b. Boston, Bethlehem, Easton, Pa., N. Af.	lb.	.04¾-	—
St. Louis, Chicago, Indianapolis, New Orleans.	lb.	.03¼-	—
Kansas City.	lb.	.03¾-	—
Minneapolis.	lb.	.0335-	—
Pittsburgh.	lb.	.03	- —
ex car, Los Angeles.	lb.	.05¾-	—
Portland, San Francisco, Seattle.	lb.	.03½-	—
ex whse., Los Angeles.	lb.	.05¾-	—
Portland, San Francisco, Seattle.	lb.	.05¾-	—
Vandyke, regular, bbls., l.c.l., works.	lb.	.09	—
special	lb.	.12	—
Brucine, 100 oz. cns.	oz.	.35	—
Sulphate, 100 oz., cns.	oz.	.30	—
Byronia root, bls.	lb.	.85	- .90
Buchu leaves, bls.	lb.	.80	- .82
Buckthorn bark, true, ols.	lb.	.85	- .87
cut and sifted, bbls.	lb.	.85	- .97
Berries, bgs.	lb.	.85	- .90
Burdock root, bls.	lb.	.37	- .38
Burgundy pitch, dom., dms.	lb.	.06	—
Butane,[1] industrial grade, tanks, f.o.b. Group 3.	gal.	.03	- .03½

Life On The

(*Right*) **DUFFLE BAGS FOR THE ARMY** are among the many military items requiring water-repellent fabrics. Timely assistance in meeting these needs is offered by a new Cyanamid development, PARAMUL* 115, an aqueous emulsion of wax and aluminum salts. Because of its fine particle size, PARAMUL 115 is a fluid emulsion, though it has a high concentration of solids. It is stable over a wide temperature range from freezing to tropical heat, and can be stored for long periods. Finish is odorless and meets Government requirements for hydrostatic pressure and spray rating. Preparation for application and application itself are simple.

(*Below*) **NEW SPONGE RUBBER SUBSTITUTE** has been discovered by Dr. H. M. Strong and Dr. Marguerite Naps, during the course of investigations with vegetable oil derivatives being conducted at the Research Laboratories of Bauer & Black, Division of The Kendall Company. Made of lineolic acid, the new material has the unusual property of vulcanizing directly to many surfaces, such as metals and plastics. Its flex-cracking resistance improves at lower temperatures, unlike that of sponge rubber made from the natural material. In many other respects, its properties are almost identical with those of natural rubber. Product is expected to find many uses in war industries and for civilian purposes.

(*Above*) **DECAY-RESISTANT WOOD** is being used to prolong the service life of freig cars. The wood is protected by preservative salts, applied by pressure impregnati process developed by American Lumber & Treating Co. Car shown, destined service in South America, where life of wooden freight cars is seriously shorten by decay, is believed to be the first single-sheathed car built of treated lumb

Butternut bark, bls.	lb.	.08 - .09
Butyl acetate,[1] norm., dms., c.l., frt. alld.	lb.	.1240-.1575
l.c.l., frt. alld.	lb.	.1225-.1675
tanks, frt. alld.	lb.	.1115-.1475
secondary, dms., c.l., frt. pd. E. of Miss. R.	lb.	.09½- —
l.c.l., same terms	lb.	.10 - —
tanks, same terms	lb.	.08½- —
Alcohol (see Alcohol).		
Aldehyde, dms., c.l., works	lb.	.15½- —
l.c.l., works	lb.	.16½- —
tanks, works	lb.	.14½- —
Butyl, carbinol, secondary, l.c.l., dms., works	lb.	.60 - —
Chloride, normal dms., c.l., works	lb.	.32 - —
l.c.l., works	lb.	.35 - —
Ether (see under Ether).		
Lactate, dms.	lb.	.26½- —
Laurate, dms., works	lb.	.42 - —
Myristate, dms., works	lb.	.41 - —
Oleate, ref'd, dms., works	lb.	.35 - —
tech., dms., works	lb.	.29 - —
Phenylacetate, dms.	lb.	2.00 - 2.25
Phthalate,[6] dms., frt. alld. E. of St. Louis	lb.	.20½- .21½
Propionate, dms., dlvd.	lb.	.16½- .17
tanks	lb.	.15½- —
Stearate, dms.	lb.	.31 - —
Butyric ether, bots.	gal.	6.50 - 6.95
cns., works	lb.	.65 - .70
dms., frt. alld. Met. N.Y.	lb.	.60 - —

C

Cadmium bromide, 25-lb. jars, 50 lbs. or more	lb.	1.65 - 1.66
single jars	lb.	1.70 - —
5-lb. bots.	lb.	1.84 - 1.91
Iodide, 5-lb. bots.	lb.	4.23 - —
25-lb. cans	lb.	4.09 - —
Cadmium, lithopone (see Yellow).		
Metal,[1,4] pat., shapes, cs., dlvd.	lb.	.95 - —
Ingots or sticks	lb.	.90 - —
Red (see Red).		
Selenide (see Red).		
Sulphite (see Yellow).		
Caffeine,[6] 10,000 lbs. or more, dms., containing 100 lbs.	lb.	2.60 - —
100 lbs.	lb.	2.65 - —
dms., containing 25 lbs.	lb.	2.63 - —
dms., containing 10 lbs.	lb.	2.65 - —
2,000 lb. lots, dms., containing		
Caffeine, 2,000-lb. lots, dms., containing 25 lbs.	lb.	2.68 - —
cns., containing 10 lbs.	lb.	2.70 - —
1,000 lb. lots, dms., containing 100 lbs.	lb.	2.70 - —
dms., containing 25 lbs.	lb.	2.73 - —
cns., containing 10 lbs.	lb.	2.75 - —
100 lb. lots, dms., containing 100 lbs.	lb.	2.80 - —
dms., containing 25 lbs.	lb.	2.83 - —
cns., containing 10 lbs.	lb.	2.85 - —
less than 100 lbs., cns., containing 10 lbs.	lb.	3.15 - —
Citrated, bots.	lb.	2.30 - —
Hydrobromide, bots.	lb.	5.29 - 5.37
Calabar beans, bgs.	lb.	.35 - .40
Calamus root, peeled, NF, cs.,	lb.	No stocks
bleached, bls.	lb.	No stocks
dom., natural, bls.	lb.	.30 - .45
Calcium acetate, bgs., dlvd.	100 lbs.	3.00 - 4.00
	lbs.	3.00 - 4.00
Arsenate,[6] bgs., c.l.	lb.	.07 - .08
l.c.l.	lb.	.07½- .08½

Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for paint or whse. pick-up.

Calcium, bromide, 100 lbs., works, frt. equald.	lb.	.65 - —
50 lbs., works	lb.	.67 - —
25 lbs., works	lb.	.70 - —
Carbide,[6] dms., c.l., dlvl.	100 lbs.	4.75 - —
l.c.l., f.o.b. warehouse	100 lbs.	4.85 - —
Carbonate (see Chalk and Whiting).		
Chloride, flake, paper bgs., 77-80%, c.l., dlvd.	ton.	18.50 -35.00
l.c.l., 15 tons, dlvd.	ton.	21.50 -25.50
5-ton lots	ton.	28.50 -41.00
liquor, basis 40%, tanks, wks.,	ton.	7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd.	ton.	18.00 -31.50
15 tons, dlvd.	ton.	21.45 -25.45
5-ton lots	ton.	28.45 -40.95

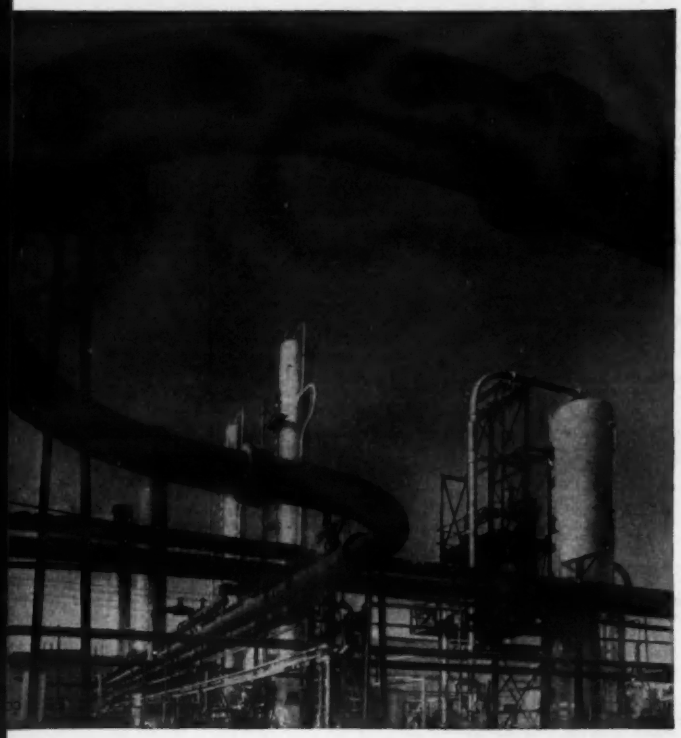
Calcium chloride c.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags, and drums $3.50 per ton over paper bags.

CP, cryst., 100-lb. lots, bbls., jars.	lb.	.28 - —
smaller lots, bbls., jars bots.	lb.	.29 - .39
Gluconate, USP, gran., 150-lb. bbls.	lb.	.52 - —
dms., 1	lb.	.57 - .59
cns.,	lb.	.70 - —
Powd., 2c. per lb. lower.		
Glycerophosphate, fib. dms., 1,000-lb. lots.	lb.	1.28 - —
100-lb. lots	lb.	1.40 - —
cns., 25 lbs.	lb.	1.65 - —
Hypophosphite, cns.	lb.	.62 - .65
Iodide, bots., jars.	lb.	4.04 - 4.19
Lactate, USP, bbls., 200 lbs.	lb.	.27 - .28
Mandelate, dense, dms.	lb.	2.03 - 2.30
fluffy, dms.	lb.	2.03 - 2.30
Palmitate, bbls.	lb.	.28 - .29
Calcium, pantothenate, dex., 100-gram bots.	per gram.	.50 - —
Phosphate, dibasic, precip., 58-40% P_2O_5, bgs., c.i.f. Atlantic ports, shipt. unit-ton.		No prices.
feeding grade, bgs., f.o.b. works.	ton.	75.00 - —
food grade, f.o.b. works, 10 bbls. or over.	lb.	.07 - .07¼
5 to 9 bbls., same basis,	lb.	.08 - .09
1 to 4 bbls., same basis,	lb.	.10 - —
medicinal, bbls.	lb.	.11½- .12
dms.	lb.	.12½- .18
monobasic, cryst., bgs., c.l., works, frt. equald.	lb.	.05¾- —
5 tons and over, bgs., same basis.	lb.	.06 - —
less than 5 tons, same basis.	lb.	.06½- —
tribasic, bbls., c.l., works.	lb.	.0635- .0785
l.c.l.	lb.	.0705- .0785
Resinate, precip., bbls., ton lots,	lb.	.15 - —
smaller lots.	lb.	.16 - —
Stearate, precip., c.l.	lb.	.25 - —
ton lots	lb.	.26 - —
less than ton lots.	lb.	.27 - .28
Sulphate (see Gypsum).		
Sulphide, 70% CaS, bgs., c.l., works.	ton.	46.00 - —
80% CaS, bgs., c.l., works.	ton.	51.00 - —
luminous, dom., tins, works,	100 lbs.	1.25 - —
Sulphocarbolate, 1,000-lb. lots, 200-lb. bbls.	lb.	.49 - —
Calendula flowers, bls.	lb.	3.25 - 3.30
Calomel,[2] bbls., fib. dms., kgs., 50 lbs. or more.	lb.	2.93 - —
Camphor, natural, powd., cs.	lb.	.95 Nom.
slabs, cs.	lb.	.95 Nom.
tablets, tins.	lb.	1.25 Nom.
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works.	lb.	.39¼- —
10 bbls. (1,500 lbs.)	lb.	.42 - —
5 to 9 bbls.	lb.	.42½- —
1 to 4 bbls.	lb.	.43½- —
25 lbs. to 149 lbs.	lb.	.45½- —
1 lb. to 24 lbs.	lb.	.52½- —
USP, gran., powd., bbls., 2,000-lb. lots.	lb.	.66½- —
1,000-lb. lots.	lb.	.67½- —
smaller lots.	lb.	.68½- —
tablets, 2,000-lb. lots.	lb.	.79½- —
1,000-lb. lots.	lb.	.80½- —
smaller lots.	lb.	.81½- —
Monobromate, bulk, 100-lb. lots,	lb.	3.10 - —
25 to 50-lb. lots.	lb.	3.20 - 3.25
Canada balsam (see Fir, balsam).		
Canary seed,[1] Argentine, bgs.	lb.	.10¼- .10¾
Canella alba bark, bls.	lb.	.29 - .30
Cantharides, Chinese, cs.	lb.	2.25 - 2.30
powd., bxs.	lb.	2.45 - 2.50
Russian, cs.	lb.	6.00 - 6.25
powd., bxs.	lb.	6.25 - 6.30
Capsicum (see Pepper, red).		
Caraway seed,[1] Dutch, bgs.	lb.	1.10 - 1.15
Morocco, bgs.	lb.	.56 - .57
Syrian, whiskered, bgs.	lb.	.45 - .46
Carbazole, 95%, dms., ton lots, works.	lb.	.70 - —
smaller quantities, works.	lb.	.80 - —
95%, dms., ton lots, works.	lb.	.75 - —
smaller quantities, works.	lb.	.85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).		
Diethyl, l.c.l., works.	lb.	.60 - —
Dimethylethyl, l.c.l., works.	lb.	.60 - —
Isobutyl, dms., c.l., works.	lb.	.225 - —
l.c.l., same basis.	lb.	.235 - —
tanks, same basis.	lb.	.215 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R.	lb.	.05 - —
l.c.l., same basis.	lb.	.05¾- —
5-gal. dms., c.l., same basis,	lb.	.07 - .07½
l.c.l., same basis.	lb.	.08 - .08½
Dioxide, cyls.	lb.	.06 - .08
Tetrachloride,[1,2] Zone 1, 52¼-gal. dms., c.l., frt. alld.	gal.	.73 - —
l.c.l., frt. alld.	gal.	.80 - —
5 or 10-gal. dms., c.l., frt. alld.	gal.	.97 - —
l.c.l., frt. alld.	gal.	1.07 - —
Zone 2, 52½-gal. dms., c.l., frt alld.	gal.	.60 - —
l.c.l., frt. alld.	gal.	.87 - —
Zone 2, 5 or 10-gal. dms., c.l., frt. alld.	gal.	1.04 - —
l.c.l., frt. alld.	gal.	1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld.	gal.	.94 - —
l.c.l., frt. alld.	gal.	1.00 - —
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.17 - —
l.c.l., frt. alld.	gal.	1.27 - —
Zone 4, 52½-gal. dms., c.l.	gal.	.83 - —
l.c.l.	gal.	.90 - —
5 or 10-gal. dms.	gal.	1.07 - —
l.c.l.	gal.	1.17 - —

All prices on carbon tetarchloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Conn., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kans. Zone 2 includes N. D., S. D., Neb., Kans., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the States of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom,[1] bleached, cs.	lb.	1.70 - 1.80
decorticated, cs.	lb.	1.55 - 1.60
green, Alleppey, bgs.	lb.	.95 - .97
Ceylon, cs.	lb.	.94 - .97
Carob bean flour (see Gum, Locust bean).		
Carvol, bots.	lb.	22.50 -23.00
Cascara sagrada bark, bulk.	lb.	.26 - .28
Case-hardening mixture, 30% lump, dms., l.c.l.		.09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd.	lb.	.19 - .21
5 tons, works.	lb.	.19½- .21¼
smaller lots, works.	lb.	.19½- .21¼
80-100 mesh, c.l., dlvd.	lb.	.19½- .21¼
5 tons, works.	lb.	.19¾- .21¾
smaller lots, works.	lb.	.20 - .22
import, Argentine, 20-30 mesh., bgs., c.l., c.&f.	lb.	.09 - —
French, 30 mesh, bgs., c.l., duty paid.	lb.	No prices
New Zealand, 20-30-mesh, c.l., bgs., duty paid.	lb.	No prices
Cassia,[1] Batavia, No. 1, thin quill, bls.	lb.	.60 - .61
No. 1, regular, bls.	lb.	.58 - .59
Shortstick	lb.	.53 - .54
broken	lb.	.51 - .52
China, buls, bgs.	lb.	.60 - .61
rolls, select, bls.	lb.	.53 - .54
broken, bls.	lb.	.52 - .53
Saigon, all medium, bls.	lb.	.61 Nom.
all thin, bls.	lb.	.62 Nom.
Cassia, fistula, bskts.	lb.	.25 - .26

Chemical Newsfront



(Above) **SCIENCE AND INDUSTRY** benefit by the research vistas opened by the electron microscope's extraordinary magnifying powers. Shown with the instrument are Dr. C. B. Jolliffe, Chief Engineer of RCA; Dr. Stuart Mudd, Professor of Bacteriology, University of Pennsylvania; Dr. V. K. Zworykin, Associate Director, RCA Research Laboratory; Dr. R. Bowling Barnes, Director of Physics, Cyanamid Research Laboratories. Cyanamid was the first industrial company to utilize the electron microscope for research work.

(Above) **THE CATALYST'S THE KEY** to quantity production of aviation gasoline by the refining industry. Modern cracking units need a catalyst of high purity. To meet this demand, Cyanamid is building a new Texas plant at which a synthetic "fluid" cracking catalyst will be produced. This step is a logical outcome of Cyanamid's long experience in the manufacture of catalysts for chemical processes.

(Right) **PROTECTION FROM DUST AND SAND** is afforded by this respirator worn by the driver of an Army vehicle taking part in desert maneuvers. *You* can help give this protection by investing in War Bonds or Stamps regularly every payday. Each purchase of a $25 War Bond will provide the funds for furnishing twelve of these respirators for members of the armed forces engaged in desert warfare.

*Trade-Mark

American Cyanamid & Chemical Corporation

A Unit of American Cyanamid Company

30 ROCKEFELLER PLAZA • NEW YORK, N. Y.

Castoreum, nat., cns.....lb.12.50 -15.00
Synth., bots.....lb.19.00 - —
Castor beans, f.o.b. Brasilian ports..long ton.75.00 - —
Oil (see Oil, castor).
Pomace,[1] dom., guaranteed 5½% ammon., bgs., c.l., works, ton.19.00 - —
Import, bgs., c.l.f. ports, shipment..ton. No prices
Catechol, resublimed, frt. alld. E. of Miss., 100-lb. dms..lb. 3.50 - —
Celery seed,[1] French, bgs.....lb. 1.02 Nom.
Indian .....lb. .33½- .34
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, frt. alld. lb. .30 - .3
granules, frt. alld.....lb. .35
Triacetate, flake, frt. alld....lb. .3
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Oxide, optical grade, 100-lb. lots, works..lb. 1.50 - —
smaller lots, works.....lb. 2.00 - —
Chalk, precipitated, drugs, dentifrices, and cosmetics, c.l., spot..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works, ton.32.50 - —
rubbermakers, bgs., c.l., works, ton.30.00 - —
Chamomile flowers, Hungarian type, cs..lb. .60 - .65
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Ga., W. Va..ton.35.40 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill., Ind., Iowa, Mich., Minn., Mo., Neb., O. and Wis..ton.32.50 - —
Penn. .....ton.34.80 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .0275- —
tanks, works.....lb. .0225- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., airfloat, 99.75%, 800 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.16.00 - —
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., wks., ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet grd., silkbolt, 90.9%, 325 bulk., c.l., works..ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
Import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks., l.c.l., ex whse., ton.41.00 - —
Chloral hydrate, jars, 1,000 lbs.lb. .93 - .95
500 lbs.....lb. .96 - .98
100 lbs.....lb. .98 - 1.00
25 lbs.....lb. 1.00 - 1.02
1-10 lbs.....lb. 1.05 - 1.07
dms., 1,000 lbs.....lb. .90 - .92
500 lbs.....lb. .93 - .95
100 lbs.....lb. .95 - .97
Chlorinated rubber,[6] standard, 100 lbs. or more, works..lb. .32 - —
smaller lots.....lb. .35 - —
Chlorine,[2,3,5] liquid, cyls., c.l., dlvd., N.Y..lb. .05¼- —
contracts, dlvd., N.Y...lb. .05¾- —
l.c.l., dlvd. N.Y.....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2, works, frt. equalized... 100 lbs. 2.50 - —
1, works, frt. equalized... 100 lbs. 3.00 - —
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chlorpicrin, com'l, 180-lb. cyls., frt. alld..lb. .50 - —
100-lb. cyls., frt. alld.....lb. .52 - —
25-lb. cyls., ex-whse.....lb. 1.00 - —
1-lb. bots., case 2, ex-whse., lb. 1.25 - —
Chrome acetate, powd., 24%, bbls. lb. .22 - —
solut., 5%, cs., bbls.....lb. .07½- —
7½%, cs., bbls.....lb. .06½- —
Cake, bulk, c.l., works.....ton.16.00 - —
Ore., residue, paper bgs., c.l., works..ton.15.00 - —
Oxide (see Green, chrome).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 6.03 - 7.00
Cinchona bark, quill, USP, 10 in., medium, cs..lb. 1.20 Nom.
20 in., thick, cs.....lb. No stocks
20 in., medium, cs.....lb. No stocks
broken quill, red, bgs..lb. .19 Nom.
yellow, bgs.....lb. .19 Nom.
Cinchonidine,[5] small, cryst., cns., 100 ozs..oz. .89 + .13½*
Sulphate, NF, cns., 100 ozs..oz. .53 + .13½

* Cinchonine buyers must pay a surcharge of 13½c. per oz. to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine,[5] small cryst., cns., 100 ozs..oz. .62 + .13½*
large cryst., cns., 100 ozs..oz. .66 + .13½
Sulphate, NF, cns., 100 ozs..oz. .42 + .13½

* Cinchonidine buyers must pay a surcharge of 13½c. per oz. to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, bots., 1 to 5 lbs..lb. 3.70 - 3.80
dms., 100 lbs.....lb. 3.50 - —
50 lbs.....lb. 3.55 - —
25 lbs.....lb. 3.60 - —
Heavy density cinchophen 20c. per lb. higher.
Cinnamic alcohol (see Alcohol, cinnamic).
Cinnamon,[1] Ceylon, 2, bls.....lb. .61½- .62
chips, bgs.....lb. .56 - .57
Citral, bots., cns.....lb. 2.85 - 4.75
Citrine ointment,[5] jars.....lb. .98 - 1.20
Citronellal, bots., dms.....lb. 2.75 - 3.25
Citronellol, bots., dms.....lb. 6.00 - 7.00
Clove,[1] Zanzibar.....lb. .18½- .19
Clover tops, red, dom., bgs....lb. .33 - .34
Coaltar, coal-gas, crude, bbls., c.l., works..dm. 8.25 - —
l.c.l., works.....dm. 8.75 - —
tanks, works.....gal. .07½- —
refd., bbls., c.l., works..bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .08½- —
water-gas, crude, lms., c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
refd., dms., c.l., works..dm. 9.25 - —
Cobalt acetate,[6] bbls., kgs., dlvd. lb. .83¾- —
feed grade, 49.5% Co., 100 lbs. lb. 1.25 - —
Carbonate,[6] powd., bgs., works. lb. 1.58 - —
feed grade, 23% Co., 100 lbs. lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co., 100 lbs. lb. 1.25 - —
Hydrate,[6] bbls.....lb. 2.04 - —
feed grade, 62% Co., 100 lbs. lb. 2.25 - —
Linoleate, paste, 5%, dms....lb. .32 - .35
solid, 8¼%, dms.....lb. .44 - —
Nitrate, feed grade, 20.4% Co., 100 lbs. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[6] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co., 100 lbs..lb. 1.75 - —
Resinate, fused A, bbls.....lb. .15 - —
1%, cobalt oxide, bbls.....lb. .15 - —
2%, cobalt oxide, bbls.....lb. .16 - —
3½%, cobalt oxide, bbls....lb. .18 - —
precip., dms., dlvd.....lb. .38 - —
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co., 100 lbs., lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York.
Cobalt-Ammonium sulphate, 14% Co., 100 lbs. .75 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, [1] bulk, f.o.b. shipping point..lb. .25 - —
Cocillana bark, bgs.....lb. .20 - .21
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .09 - .11
blue, bls.....lb. .09 - .10
Colchicine, bots., cns.....oz.38.00 -63.00
Colchicum seed, bgs.....lb. No stocks
Collodion, USP, dms., 325 lbs..lb. .19½- .20½
cns., 30 lbs.....lb. .23 - .29½
flexible, USP, dms., 325 lbs...lb. .21 - .22
cns., 25 lbs.....lb. .25 - .31
Colocynth pulp, bls.....lb. .90 - .95
Colombo root, bls.....lb. .10 - .11
Coltsfoot leaves, bgs.....lb. .90 - 1.00
Condurango bark, bgs.....lb. .14 - .15
Conium leaves, bls.....lb. 1.18 - 1.20
Copaiba, balsam, Para, cns...lb. .47 - .49
S.A., USP, cns.....lb. .50 - .52
Copper acetate,[6] normal, bbls., dlvd..lb. .24 - —
smaller containers, dlvd..lb. .26 - .35
Carbonate,[6] 52-54%, bbls....lb. .19½- .20
Chloride,[6] anhyd., bbls.....lb. .23¼- .24
regular crystals.....lb. .12 - .14¾
Cyanide,[6] tech., bbls.....lb. .34 - .38
Iodide, bbls.....lb. 5.15 - 5.19
Metal,[1,2,5] electrolytic.....lb. .12 - .12½
Nitrate, tech., cryst., bbls....lb. .16¾- .20
Oleate, precip., bbls.....lb. .22½- .29¼
Oxide,[6] black, bbls., tons, works, lb. .19½- .28¼
Red, com'l, kgs., f.o.b. N. Y. lb. .20 - .22
Resinate, precip., bbls.....lb. .15½- .16
Sulphate,[6] 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 5.15 - 5.30
l.c.l., 16-50 bbls., same basis, 100 lbs.5.30 - —
6-15 bbls., same basis... 100 lbs. 5.40 - —
1-5 bbls., same basis.... 100 lbs. 5.65 - —
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 9.20 - —
l.c.l., dealers.....100 lbs.10.20 - —
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 20 or over, works... lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, shipment.....lb. No prices
Coriander seed,[1] Morocco, bgs., lb. .10¾- .11¼
Indian, bgs.....lb. .09½- .10
Corn silk, bls.....lb. .20 - .22
Corn sugar, tanners', chipped, bgs., c.l., dlvd..100 lbs. 3.62 - —
slabs, bbls., c.l.....100 lbs. 3.54 - —
Syrup, 42°, bbls., c.l....100 lbs. 3.69 - —
43°, bbls., c.l.....100 lbs. 3.74 - —
Corrosive sublimate,[3] cryst., dms., 50 lbs. or more..lb. 2.39 - —
gran., powd., dms., 50 lbs. or more..lb. 2.24 - —
Cottonroot bark, bls.....lb. .13 - .14
Cottonseed, hull ash,[1] 32-36% pot-ash, bgs, dlvd..unit-ton. 1.00 - —
meal, 41% protein, Southeast mills February delivery..ton.35.00 - —
43% protein, same basis..ton.36.50 - —
Coumarin, 25-lb. cns.....lb. 2.75 - —
1-lb. cns.....lb. 2.90 - —
1-oz. cns.....lb. 3.25 - —
less than 5, cns.....lb. 4.15 - 4.65
Cramp bark, NF, bls.....lb. .60 - .75
Cranesbill root, bls.....lb. .13 - .19
Cream of tartar, USP, gran. or powd., bbls., 5,000 lbs. one shipm't..lb. .57½- —
smaller lots, bbls.....lb. .58 - —
kgs.....lb. .58½- —
Creosote, beechwood, cbys., dms., lb. .85 - —
bots.....lb. 1.04 - —
hardwood, USP, bots.....lb. .60 - .77
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 2.10 - 2.39
Oil, crude, tanks, works...gal. .15½- —
Coaltar, solution, tanks, works. gal. .141 - —
refd., bbls., l.c.l., works.gal. .26 - —
tanks, works.....gal. .18 - .18½
Cresol,[4] special resin grade, dms., c.l., works, frt. equald..lb. .06¾- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .06¾- —
USP, dms., c.l., works, freight equald..lb. .10¾- —
l.c.l., same basis.....lb. .11¼- —
tanks, same basis.....lb. .10 - —
Crotonaldehyde, 97% 55 and 110 gals., l.c.l., works..lb. .15 - —
5 and 10-gal dms., works..lb. .18 - —
Cryolite, syn., c.l., frt. alld. E. of Miss. River..lb. .08¼- —
l.c.l., works.....lb. .09¼- —
natural, c.l.....100 lbs. 9.50 - —
l.c.l.....100 lbs.10.00 - —
Cube root,[2,6] powd., 5% rotenone, bbls., f.o.b. N.Y.C..lb. .35 - —
4% rotenone prices are 4c. per lb. less.
Cubeb berries, XX, bgs.....lb. .65 - .70
powd., cs.....lb. .70 - .75
Culver's root, bls.....lb. .27 - .28
Cumin seed, Cyprus, bgs.....lb. .16 - .16½
Morocco, bgs.....lb. .16¼- .17
Indian, bgs.....lb. .12½- .13
Persian, bgs.....lb. .13¼- .14
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. No stocks
Cyanamid,[2,6] fertilizer grade for mixing purposes, guaranteed 21% N, pulv., bgs., Niagara Falls, Ont., contracts.... unit-ton. 1.52½- —
granular, fertilizer grade for mixing purposes, 20.6% N, bulk, Niagara Falls, Ont... unit-ton. 1.62½- —
Cyanide-chloride, mixture,[6] 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., wks. lb. .16 - —
Cyclohexanol, 98-100%, dms., wks. lb. .23 - —
Cyclohexanone, 98-100%, dms., works..lb. .32 - —
Cyclopropane, USP, cyls., dlvd.. gal. .27 - —

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Damiana leaves, bls.....lb. .15 - .16
Dandelion root, bls.....lb. .31 - .32
Decanol, normal, tech., 360 lbs., dms., dlvd..lb. .35 - —
Deertongue leaves, bls.....lb. .21 - .22
Degras,[4] common, dom., bbls..lb. .10 - .12
neutral, dom., bbls.....lb. .28 - .30
Derris root,[2,6] powd., 5% rotenone, bbls., f.o.b. N.Y..lb. .35 - —
4% rotenone prices are 4c. per lb. less.
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.25 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.35 - —
corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.00 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.20 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.15 - —
potato, bgs., dom., c.l.....lb. .10 - —
l.c.l., bgs.....lb. .10¼- .11¾
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 9.50 -11.00
Diamyl ether (see Amyl Ether).
Phthalate,[6] dms., c.l., dlvd..lb. .2170- .2200
l.c.l., dlvd.....lb. .2220- .2250
tanks, dlvd.....lb. .2070- .2100
Diamyl sulphate, l.c.l., dms., works..lb. .25 - —
Diamylamine, dms., c.l., works.lb. .61 - —
l.c.l., works.....lb. .64 - —
Diamylene, dms., c.l., works..lb. .105 - —
l.c.l., works.....lb. .112 - —
tanks, works.....lb. .095 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .17 - —
Diamylphenol, 2:4, dms., c.l., works..lb. .18 - —
l.c.l.....lb. .21 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific coast..ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard..ton.55.00 -59.00
l.c.l., ex whse.....ton.85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
Import, Algerian, bgs., c.l., c.l.f..ton. No prices
Mexican, white, bgs., c.l., c.l.f. lb. .02 - .02
l.c.l.....lb. .04 - .06
Dibutyl ether (see Ether, butyl).
Phthalate,[6] dms., c.l., dlvd..lb. .2000- .2070
l.c.l., dlvd.....lb. .2050- .2120
tanks, dlvd.....lb. .1900- .1970
cns., works.....lb. .23¼- —
Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .92 - 1.02
Dibutylamine, dms., c.l., works. lb. .61 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichloroethyl ether,[6] dms., c.l., works..lb. .15 - —
l.c.l.....lb. .16 - —
tanks.....lb. .14 - —
Diethylaniline, dms.....lb. .40 - —
Diethyl carbonate, com'l, dms.lb. .22 - —
refd., 99%, dms.....lb. .30 - —
Oxalate, dms., c.l., dlvd...lb. .3020- —
l.c.l., dlvd.....lb. .3070- —
Phthalate,[6] dms., c.l., dlvd..lb. .2120- .2170
l.c.l.....lb. .2170- .2220
tanks.....lb. .2020- .2250
Sulphate, dms., c.l., works...lb. .15 - —
l.c.l., works.....lb. .14 - —
tanks.....lb. .12 - —
Diethylamino ethanol,[6] l.c.l., dms., works, frt. alld. E. of Miss. River..lb. .75 - —
Diethyleneglycol,[6] dms., c.l., wks. lb. .14 - —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works.lb. .22½- .24½
Monoethylether, dms., c.l., wks. lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .45 - .50
Digitoxin, laurate, dms.....lb. .31 - .33
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works. lb. .19 - —
Dilseed, cleaned, bgs.....lb. .08½- .09
Dimethyl phthalate,[6] dms., c.l., dlvd..lb. .1970- .2000
l.c.l., dlvd.....lb. .2020- .2050
tanks, dlvd.....lb. .19 - —
Dimethylamine, dms., c.l., dlvd.lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylaniline, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dinitrobenzene, bbls., 80° min.lb. .18 - —
Dinitrochlorobenzene, dms....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .39
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .05 - —
Diorthotoluolguanidin,[6] dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .59 - .61
tanks.....gal. .51 - —
dest., dist., dms.....gal. .55 - .58
tanks.....gal. .45 - —
Diphenyl, bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, dms..lb. .43 - .45
cns.....lb. .48 - .50
Diphenylamine,[6] bbls.....lb. .25 - —
Diphenylguanidin,[6] dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Dimethylethyl carbinol (see Carbinol).
Divi-Divi, Colombian.....ton.80.00 - —
Venezuelan .....ton.80.00 - —
Doggrass root, imp., cut, NF, bls..lb. .50 - 1.50
domestic, bls.....lb. .30 - .45
Dogwood bark, Jamaica, bls...lb. .07 - .09
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, reeds, cs.....lb. .95 - 1.00
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns.lb.12.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
Green, FD&C green, No. 2, cns. lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C brange, No. 2, cns..lb. 3.85 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns....lb.17.50 - —
FD&C red, No. 4, cns....lb. 5.75 - —
FD&C red, No. 32, cns....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 3.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 3.35 - —
Blue, D&C blue, No. 6.....lb.13.50 - —
Brown, D&C brown, No. 1, cns. lb.12.35 - —
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C green, No. 6, cns....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 3.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.35 - —
D&C orange, No. 12, cns...lb.17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 3.35 - —
D&C red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 3.35 - —
D&C red, No. 33, cns.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 3.35 - —
D&C yellow, No. 8, cns...lb. 3.35 - —
D&C yellow, No. 11.....lb.10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns..lb.10.35 - —
Ext. D&C red, No. 3.....lb.21.85 - —
Ext. D&C red, No. 5.....lb. 7.85 - —
Ext. D&C red, No. 10, cns.lb.12.85 - —
Ext. D&C red, No. 13, cns.lb.12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 9.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index Scale):—
36 Chrome yellow 2G.....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A[6].....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .55 - .90
189 Lake red R, powd....lb. 3.05 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U..lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .90 - 1.00
280 Fast cyanin 5R.....lb. .85 - .88
296 Chrome black F.....lb. .80 - .90
307 Fast cyanin black B..lb. .80 - .90
326 Direct cast scarlet....lb. 2.90 - 3.25
304 Paper yellow.....lb. .53 - .59
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. .80 - .90
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.20
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange R.....lb. .66 - .70
419 Direct fast red F.....lb. .70 - .75
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B....lb. .65 - .67
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azcrin G.....lb. .75 - .80
512 Direct blue RD.....lb. .85 - .90
518 Direct pure blue 6B...lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .58
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
608 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .72
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble).
1177 Indigo, 20% paste....lb. .15 - .15
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 — —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .20 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
865 Nigrosin derivatives.lb. .36 - .44
Blue:—
1075 Alizarin astrol base.lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Brown:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Red shade .....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink) base..lb. 6.00 - —
1080 Anthraquinone,[6] violet base..lb. 6.00 - —
680 Oil violet .....lb. .50 - —
Yellow:—
15 Amidoazobensene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S.lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
729 Victoria blue B.....lb. 1.35 - —
861 Indulin .....lb. .57 - —
909 New blue F.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1190 Indigotin IA.....lb. .85 - —
Blue:—
714 Patent blue A.....lb. 1.05 - 1.10
Brown:—
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R. lb. .92 - —
231 Bismarck brown G...lb. .47 - .62
332 Bismarck brown R...lb. .47 - .62
793 Phosphin .....lb. 4.65 - —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 350 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
696 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.00 - —

Orange:—
10 Chrysoidin G.....lb. .44 - —
21 Chrysoidin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
151 Orange X.....lb. .31 - .33
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —

Red:—
79 Popocau R.....lb. .45 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A[5].....lb. .54 - —
179 Asorubin.....lb. .60 - —
188 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M...lb. .65 - —
677 Fuchsin.....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
766 Eosin G.....lb. 1.50 - —
841 Safranin.....lb. 1.45 - —

Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —

Yellow:—
10 Naphthol yellow S....lb. .88 - —
138 Metanil yellow.....lb. .56 - .59
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartrazin.....lb. .80 - —
655 Auramine.....lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black:—
864 Nigrosin.....lb. .36 - .44

Blue:—
860 Indulin.....lb. .60 - .70

Brown:—
331 Bismarck brown.....lb. 1.50 - —

Green:—
637 Malachite green base.lb. 2.00 - —

Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .96 - —

Red:—
677 Fuchsin, magenta, base. lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —

Yellow:—
67 Amidoazotoluene yellow. lb. .75 - —
655 Auramine.....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —

Violet:—
680 Methyl violet base....lb. .85 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .19 - .22
Egg albumen (see Albumen)
volk, dried, dom., bbls....lb. 1.00 - 1.10
imported.....lb. 1.00 - 1.10
Elder flowers, bright, bls.....lb. .77 - .78
Elecampane root, bls.....lb. .18 - .19
Elm bark, grinding, bls.....lb. .14 - .15
powd., bbls., bxs.....lb. .20 - .21
select, bndls.....lb. .19 - .20
Emetine hydrochloride, bots..oz.21.00 -33.00
Ephedra, bls.....lb. .21 - .29
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride or sulphate, tins.....oz. .95 - 1.45
synth, USP, hemihydrate, bots., 100 ozs. or more..oz. .65 - —
anhyd., bots., 100 oz. or more..oz. .65 - —
Hydrochloride, tins, 100 ozs. or more..oz. .50 - —
Sulphate, cryst., tins, 100 ozs. or more..oz. .43 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls.....100 lbs 1.90 - —
Epsom salt prices on technical and USP are on the basis of freight equalized with Balto., Carteret, N. J., Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.
Epsom salt, USP.. cryst., dom., bgs., c.l..100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.....lb. .08 - .09
Ergot, USP, ens., dms., ton lots, lb. 1.25 - 1.35
smaller lots.....lb. 1.40 - 1.75
Ecerine, bots.....oz. No prices.
Salicylate, bots.....oz.41.00 -48.00
Sulphate, bots.....oz.41.00 -48.00
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl, ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .93 - 1.10
Sulphuric, conc., 310-lb. dms., lb. .11 - —
27-lb. dms.....lb. .15½- .16
USP, anesthesia, hospitals, 1-lb. cns..lb. .60 - .61
Synth., dms., c.l., works....lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks.....lb. .12½- —
Ethyl acetate,[2] 85-90%, dms., c.l., frt. alld..lb. .1170-.1200
l.c.l., frt. alld.....lb. .1220-.1250
tanks, frt. alld.....lb. .1070-.1100
95 95%, dms., c.l., frt. alld.lb. .12¼- .12½
l.c.l., frt. alld.....lb. .12¾- .13¼
tanks, frt. alld.....lb. .11¼- .12¼
NF, 190-lb. dms.....lb. .14½- .15½
Acetoacetate, dms., c.l., works, lb. .37½- —
l.c.l., frt. alld.....lb. .38 - —
Benzoate, bots.....lb. .90 - 1.00
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.30 - 1.40
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.50 - 3.55
Formate, cns., dms.....lb. .27¾- .90
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works.lb. .33½- —
5-gal. dms.. works.....lb. .37½- .39½
Myristate, dms., works.....lb. .55 - —
Oleate, dms., works.....lb. .47 - —
Oenanthate, dms.....lb. .75 - 1.25
Oxalate, dms., frt. alld.....lb. .33 - —
Oxyhydrate, bots.....gal. 7.50 - 8.00
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 5.25 - 6.00
5-lb. lots, cns.....lb. 5.30 - 6.05
1-lb. lots, cns.....lb. 5.40 - 6.15
Ethylcellulose,[6] std., pkgs., 5,000 lbs. or more, works..lb. .50 - —
less than 5,000 lbs., same basis..lb. .52 - .60
Ethyldiethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylethanolamine, dms., c.l., works..lb. .57 - —
l.c.l., works.....lb. .60 - —
Ethylene, dichloride,[6] dms., c.l., works, E. of Rockies, frt. alld..lb. .0843- —
West of Rockies, same basis..lb. .0891- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0891- —
West of Rockies, same basis..lb. .0941- —
tanks, same basis, E. of Rockies..lb. .0743- —
W. of Rockies.....lb. .0792- —
Ethyleneglycol,[6] dms., c.l.....lb. .15½- —
l.c.l.....lb. .16½- —
tanks.....lb. .14½- —
Monobutylether, dms., c.l., wks. lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- .16½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works..lb. .11¾- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylmorphine hydrochloride, bots., 5 oz..oz.10.75 - —
cns., 25 ozs.....oz 10.55 - —
Ethylidinanilin, dms.....lb. .45 - .47½
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Eucalyptol, cns., dms.....lb. 2.00 - 2.50
Eucalyptus, leaves, bls.....lb. .10 - .12
Eugenol, cns., dms.....lb. 2.65 - 3.25
Euphorbia, bls.....lb. .12 - .13

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons..ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -12.25
l.c.l., minimum 2 tons...ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N.C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons, ton.20.00 -22.00
Fennel seed, Indian, bgs.....lb. .08½- .09
Fenugreek seed, bgs.....lb. .09¾- 09¼
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l.....ton.40.00 - —
Film scrap, colored, ca., 50 lbs. or over, works..lb. .13½- .14
smaller lots, works.....lb. .15 - —
water white, ca., 50 lbs. or over, works..lb. .14½- .15
smaller lots, works.....lb. .17 - —
Fir, balsam, Canada, cns....gal.19.00 -20.00
Oregon, bbls.....gal. 1.85 - 2.25
Fish berries, bgs.....lb. .24 - .25
Fish[1] meal, grd., bgs., East Coast fish factories..ton.72.50 - —
scrap, menhaden, new catch, dried, 60% protein, bulk, East Coast fish factories.ton.66.50 - —
Fish meal, scrap, acid, 6-7% ammon., 3% a.p.a., bulk, Carolina and Florida fish factories..unit-ton. No prices
Long Island fish factories, unit-ton. No prices
Flake white, dom., bbls.....lb. .09 - —
kegs.....lb. .11 - —
Fleaseed, French, black, bgs...lb. .65 - .70
Indian, blonde, bgs.....lb. .15 - .17
Fluorspar, dom., No. 2 lump or washed gravel, 85.5%, c.l., f.o.b. Ky. and Ill. mines, or barge delivery, Ohio River landings.....ton.25.00 -28.00
Formaldehyde,[1,2,3] bbls., c.l., works..lb. .0550- .0575
l.c.l., works.....lb. .06 - .0625
Formaldehyde, dms., c.l., works, lb. .0515- .0540
l.c.l., works.....lb. .0565- .0590
tanks.....lb. .04 - .04¼
Formaldehyde prices are under 4½c. to 9½c. OPA ceiling.
Fringetree bark, bls.....lb. .30 - .48
Fullers earth, dom., powdered, bgs., c.l., f.o.b. Fla., Ga., mines..ton. 8.50 -15.00
f.o.b. Tex., mines.....ton.12.50 - —
import, Eng., bgs., c.l., dlvd. N. Y...ton.30.00 -40.00
Fumitory herb, bls.....lb. .58 - .60
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .20
tech., dms., contracts, 150,000 lbs..lb. .10 - —
dms., c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, crude, dms., incl., works..gal. .75 - —
refd., dms., incl., dlvd....lb. .18½- .19¼
Fustic, cryst., bags, No. 1.....lb. .32 - —
No. 2.....lb. .30 - —
No. 3.....lb. .28 - —
extract, bbls., No. 1.....lb. .16 - —
No. 2.....lb. .15 - —
No. 3.....lb. .12½- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .28 - .30
Gambier, common, cases.....lb. No prices.
plantation, cases.....lb. No prices.
Singapore, cases...lb. .50 Nom.
extract, bbls.....lb. .09½- .12
Gasoline[4] at refinery:—
Bayonne, US motor, 65 octane, tanks, ex tax..gal. .0695- —
72-74 octane, ex tax.....gal. .092 - —
California 78 octane at refineries, tanks..gal. .075 - —
Gulf Coast, US motor, 72-74 octane, tanks, ex tax..gal. .065½- —
Arkansas, US motor, 72-74 octane, leaded, tanks, car lots, ex tax..gal. .06 - —
Group 3, 72-74 octane, tanks, gal. .065½- .06
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax, gal. 06½- .06
natural, 26-70, Group 3, tanks..gal. .06½- —
Gelatin, silver, ca.....lb. .90 - .97
Geleemium root, bls.....lb. .15 - .19
Gentian root, bls.....lb. .50 - .52
grd., bbls., bxs.....lb. .55 - .57
powd., bbls., bxs.....lb. .56 - .58
Geraniol, 92-96%, cns., dms....lb. 3.50 - 4.50

SPOT DELIVERIES

TARTARIC ACID

Soda Ash
Caustic Soda
Sodium Acetate
Hydrosulphite of Soda
Zinc Sulphate
Formic Acid
Heavy Calcined Magnesia

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE • NICKEL OXIDE, ETC.

GOLWYNNE CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK • PHONE LE 2-9740

Ginger,[1] African, No. 1, bls...lb. .29 - .30
Calicut, bgs.....lb. .23 - .23½
Cochin, "bleached, bgs.....lb. .24½- .25
unbleached, bgs.....lb. .23 - .23½
Jamaica, No. 1, bgs.....lb. .40 - .41
No. 2, bgs.....lb. .34½- .35
No. 3, bgs.....lb. .33½- .34
Ginseng root, wild Southern, cs.. lb.12.00 -18.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works...100 lbs. 1.05 - 1.25
5 tons or over, works.. 100 lbs. 1.15 - 1.35
less than 5 tons, works.. 100 lbs. 1.25 - 1.45
import, bgs. .....100 lbs. No prices.
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., East of Midwest...lb. .16 - —
l.c.l. .....lb. .17 - —
30/58, bgs., c.l.....lb. .15½- —
l.c.l. .....lb. .16½- —
58/82, bgs., c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
82/108, c.l. .....lb. .18½- —
l.c.l. .....lb. .19 - —
hide,[1] 100-121 jelly test in grams, bgs., c.l., dlvd....lb. .14 - —
bbls., c.l., dlvd.....lb. .14½- —
122-149, bgs., c.l., dlvd....lb. .15 - —
bbls., c.l., dlvd.....lb. .15½- —
150-177, bgs., c.l., dlvd....lb. .16 - —
bbls., c.l., dlvd.....lb. .16½- —
178-206, bgs., c.l., dlvd....lb. .17 - —
bbls., c.l., dlvd.....lb. .17½- —
207-236, bgs., c.l., dlvd....lb. .18 - —
237-266, bgs., c.l., dlvd....lb. .19 - —
bbls., c.l., dlvd.....lb. .19½- —
267-296, bgs., c.l., dlvd....lb. .20 - —
bbls., c.l., dlvd.....lb. .20½- —
296-326, bgs., c.l., dlvd....lb. .21 - —
bbls., c.l., dlvd.....lb. .21½- —
331-362, bgs., c.l., dlvd....lb. .22 - —
bbls., c.l., dlvd.....lb. .22½- —
363-394, bgs., c.l., dlvd....lb. .23 - —
bbls., c.l., dlvd.....lb. .23½- —
395-427, bgs., c.l., dlvd....lb. .24 - —
bbls., c.l., dlvd.....lb. .24½- —
428-460, bgs., c.l., dlvd....lb. .25 - —
bbls., c.l., dlvd.....lb. .25½- —
461-494, bgs., c.l., dlvd....lb. .26 - —
bbls., c.l., dlvd.....lb. .26½- —
495-529, bgs., c.l., dlvd....lb. .27 - —
bbls., c.l., dlvd.....lb. .27½- —

Hide glue transportation charges in excess of 75c. per hundredweight may be added. Prices are those established for sale by producers; prices for glue sold by jobbers are 2c. to 3½c. per pound higher according to grade. Less car lot prices are 1c. per pound higher than car lot. Maximum prices for chrome glue and coney glue in carload lots, wherein the jelly test in grams is 267 or higher, are 2c. per pound higher than the prices established above, while those for these glues, wherein the jelly test is below 267, are 1c. per pound higher than the above prices.

Glycerin[2], Zones A and C, C.P.,* (B.P. 98%), drums, car lots, dlvd..lb. .19¾- —
tanks, dlvd.....lb. .19¼- —
C.P.* (USP 96%), drums, car lots, dlvd..lb. .18¾- —
less car lots, dlvd..lb. .19¼- —
tanks, dlvd. .....lb. .18 - —
dynamite,* high gravity, yellow, distilled, dms., car lots, dlvd..lb. .18¼- —
less car lots, dlvd...lb. .18¾- —
tanks, dlvd. .....lb. .18 - —
saponification, 88%, to refiners, dms., c.l., dlvd...lb. .12¾- —
less car lots, dlvd...lb. .12¼- —
tanks, dlvd. .....lb. .12¾- —
to individual users, dms., c.l., f.o.b. point of manufacture..lb. .13¾- —
less car lots, same basis, lb. .14¾- —
tanks, same basis.....lb. .12¾- —
soaplye, 80%, dms., car lots, dlvd..lb. .11½- —
less car lots, dlvd...lb. .11¼- —
tanks, dlvd. .....lb. .11¼- —

Glycerin prices in Zone B are 2c. higher. Zone A means all points east of and including N. Dak., S. Dak., Neb., Kansas, Omaha, Texas, Laramie County, Wyo.; Col.; east of but not including the following counties:—Jackson, Grand, Gilpin, Jefferson, Douglass, Teller, Fremont, Custer, Huerfano, and Costilla.

Zone B means the territory between Zones A and C, as follows:—Washington, east of and including the following counties:—Okanogan, Chelan, Kittitas, Yakima, Klickat; Ore., east of and including the following counties:—Hood River, Wasco, Jefferson, Deschutes, Klamath; Nev., Ariz., New Mex., that part of Col. west of and including those counties mentioned above; Utah, Wyo., excepting Laramie County; Idaho and Mont.

Zone C means the territory west of Zone B.

*Nota.—Sales of glycerin to U. S. government are at prices 1c. below the above prices on C.P., and dynamite glycerin.

Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms. .....lb. .33 - —
Stearate, dms. .....lb. .26 - —
Gold, U. S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots...oz.20.75 -21.00
yellow bots. .....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.12.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure seed, bgs....lb. .29 - .30
Goldenseal root, bls.....lb. 5.00 - 5.25
powd., bxs.....lb. 5.35 - 5.40
Grains of Paradise, bgs.....lb. .28 - .38
Graphite,[3] flake (cryst.), 90%, 325 mesh, 50% graphitic, carbon, bgs., c.l., works...lb. .07 - —
bbls., c.l., works....lb. .07¼- —
l.c.l., works.....lb. .07½- —
65% graphitic, carbon, bgs., c.l., works..lb. .02½- —
l.c.l., works.....lb. .03¼- —
bbls., c.l. works.....lb. .02¾- —
80% graphite, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03½- —
l.c.l. works.....lb. .04½- —
Grease,[1,2] house, loose.....lb. .06½- —
white, loose .....lb. .08¾- —
Wool (see Adeps lanae and Degras).
Green,[3] chrome, CP, dark, light, medium blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .23 - —
6-10%, bbls., same basis..lb. .24 - —
11-15%, bbls., same basis..lb. .25 - —
16-20%, bbls., same basis..lb. .25½- —
21-25%, bbls., same basis..lb. .26 - —
26-30%, bbls., same basis..lb. .26½- —
31-35%, bbls., same basis..lb. .27½- —
36-40%, bbls., same basis..lb. .29 - —
41-45%, bbls., same basis..lb. .30½- —
46-50%, bbls., same basis..lb. .33 - —

Green, chrome, reduced color, 5%, same basis..lb. .06¾- —
6-10%, bbls., same basis..lb. .07½- —
11-13%, bbls., same basis..lb. .08 - —
14-16%, bbls., same basis..lb. .08¼- —
17-19%, bbls., same basis..lb. .08½- —
20-21%, bbls., same basis..lb. .08¾- —
22-23%, bbls., same basis..lb. .09 - —
24-25%, bbls., same basis..lb. .09¼- —
26-27%, bbls., same basis..lb. .09½- —
28-29%, bbls., same basis..lb. .10 - —
30-31%, bbls., same basis..lb. .10¼- —
32-33%, bbls., same basis..lb. .12 - —
34-35%, bbls., same basis..lb. .13 - —
36-40%, bbls., same basis..lb. .14 - —
41-45%, bbls., same basis..lb. .17 - —
46-50%, bbls., same basis..lb. .17½- —
51-55%, bbls., same basis..lb. .18 - —
56-60%, bbls., same basis..lb. .18½- —
61-65%, bbls., same basis..lb. .19 - —
66-70%, bbls., same basis, lb. .20 - —
71-75%, bbls., same basis..lb. .21 - —

Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chrome oxide, drums, pure, works..lb. .24 - —
Tetrahydroxide, bbls. .....lb. .35 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 2.75 - —
emerald, kgs. .....lb. 2.60 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .11 - .12
Guaiac resin, cs.....lb. .80 - .85
strained, cs.....lb. 1.50 - 1.60
Wood, bls. .....lb. .06 - .06
Guaiacol, liq., dms.....lb. 1.75 - 2.01
Carbonate, 4lb. dms.....lb. 2.40 - 2.74
Guarana, powd., cs.....lb. 1.20 - 1.80
Gum Accroides (see Gum yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. 1.20 - 1.25
Arabic, amber sorts, cleaned, bgs..lb. .14¾- .16
powd., bbls.....lb. .20 - .29
white, sorts, 1, bgs..... .lb. .33 - .35
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 2.00 - 3.50
Sumatra, cs.....lb. .50 - .55
Camphor (see C).
Copal[1], Congo, No. 1, unsorted. lb. .14¾- —
No. 2, unsorted.....lb. .12¾- —
No. 3, unsorted.....lb. .11¼- —
FAD, unsorted.....lb. .14¾- —
Sorted, Nos. 1 to 28, not available in New York area.
Sorted, No. 30, c.l.....lb. .55¾- 56¼
No. 31, same basis.....lb. .21½- .21¾
No. 32, same basis.....lb. .15¾- 16¼
No. 33, same basis.....lb. .14 - .14¾
No. 34, same basis.....lb. .09¼- .09¾
No. 35, same basis.....lb. .15½- .16¾
No. 36, same basis.....lb. .12¼- .12¾
No. 37, same basis.....lb. .18½- .18¾
No. 38, same basis.....lb. .12¾- .12¾
No. 39, same basis.....lb. .10¾- .11¼
No. 40, same basis.....lb. .08 - .08½
No. 41, same basis.....lb. .11¾- .12¼

Inside figures represent car-load lot prices; outside figures less than 10-package-lot prices. On lots of 10 packages or more, prices are ¼ cent per pound higher than car-load lot prices; on lots less than 10 packages, prices are ½c. per pound higher than car-load lot quotations.

Gum, copal[1], Manila, Boeas, hard, bold white..lb. .15½- —
amber, light.....lb. .13½- —
amber, dark.....lb. .14½- —
Macassar, WS .....lb. .11¾- —
MA .....lb. .09¾- —
MB .....lb. .09¼- —
dust .....lb. .07¾- —
Loba, A.....lb. .14 - —
B .....lb. .13¾- —
C .....lb. .13¾- —
CBB .....lb. .12 - —
CNE .....lb. .10 - —
D .....lb. .12¾- —
DBB .....lb. .11 - —
Du .....lb. .06¾- —
DK .....lb. .09¼- —
dust .....lb. .07¾- —
MA .....lb. .09¾- —
MB .....lb. .09¼- —
WS .....lb. .11¾- —
Manila, Philippine, extra bold, pale scraped..lb. .15 - —
bold, pale scraped.....lb. .15 - —
extra pale, bold, sorts..lb. .12¾- —
pale crips, bold.....lb. .13 - —
pale nubs, WCB.....lb. .13¾- —
pale small chips.....lb. .11¾- —
SG .....lb. .10¾- —
seeds and dust.....lb. .06¾- —
Manila-Singapore, white split chips..lb. .15½- —
dust .....lb. .07¾- —
Pontianak, bold, scraped..lb. .22¾- —
mixed, bold.....lb. .17¾- —
nubs .....lb. .18¾- —
small chips.....lb. .12¾- —
cuttings or split chips..lb. .19¼- —
Dammar[1], Batavia, A.....lb. .35¾- —
A/C .....lb. .31¼- —
A/D .....lb. .28¾- —
A/E .....lb. .27¾- —
B .....lb. .34¾- —
C .....lb. .28¾- —
D .....lb. .25¾- —
E .....lb. .18¾- —
F .....lb. .13¾- —
dust .....lb. .13¾- —
Singapore, No. 1.....lb. .30¾- —
2 .....lb. .25¾- —
3 .....lb. .12¾- —
chips .....lb. .23½- —
dust .....lb. .13 - —
seeds .....lb. .17¾- —
Hiroe-Macassar, bold.....lb. .17¾- —
chips .....lb. .11½- —
dust .....lb. .05½- —
nubs .....lb. .13¾- —
Pale East India-Singapore, bold..lb. .22¾- —
nubs .....lb. .16¾- —
chips .....lb. .11¾- —
dust .....lb. .05½- —
Batu, scraped.....lb. .10¼- —
unscraped .....lb. .09 - —
nubs and chips.....lb. .05¾- —
chips .....lb. .12 - —
dust .....lb. .06½- —
Black, East India, bold scraped..lb. .12 - —
bold unscraped.....lb. .07¼- —
nubs and crips.....lb. .07¾- —

Importers have been authorized by OPA to add to the above prices charges of approximately 5½% for freight, marine and war-risk insurance.

Gums, copal, Congo and Pontianak are packed in bgs.; Manila copal gums are packed in baskets; dammar gums are packed in cases; East India gums are packed in bgs.; gum elemi is packed in cans. Prices are in carload lots, ex dock or ex whse., San Francisco or New York. L.c.l. prices are ¼c. to ½c. per lb. higher.

Gum, elemi.....lb. .06¾- —
coarse .....lb. .06 - —
Ester, ordinary, carload lots, N. Eng., Middle Atlantic States, Va., W. Va., N. C., Ky., Ohio, Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., and St. Louis, Mo., f.o.b. cars, destination.....lb. .09½- —
other points.....lb. .10 - .11
ten drums, same basis...lb. .09¾- —
other points.....lb. .10½- .11¾
single drums, same basis.lb. .10 - —
other points.....lb. .10¾- .12

Ester gum spot prices are ½c. per pound higher.

Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.60 - 1.65
Gamboge, pipe, cs.....lb. 2.30 - 2.35
powd., bbls.....lb. 2.50 - 2.55
Ghatti, soluble, bgs.....lb. .11 - .15
Gualac (see Guaiac resin).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri,[1] Bush, bold.....lb. .40 - —
assorted .....lb. .35 - —
chips .....lb. .32 - —
dark .....lb. .18 - —
bright .....lb. .18 - —
White, 5X.....lb. 1.50 - —
4X .....lb. .66 - —
3X .....lb. .65¾- —
No. 1 extra .....lb. .43 - —
No. 1 superior .....lb. .41 - —
No. 2 extra .....lb. .31 - —
No. 2 superior .....lb. .31 - —
No. 3 extra .....lb. .30 - —
No. 3 superior .....lb. .22 - —
extra pale chips.....lb. .25½- —
pale chips.....lb. .20¾- —
pale dust.....lb. .20¾- —
Brown, 3X.....lb. .77 - —
2X .....lb. .49 - —
X .....lb. .36 - —
No. 1 extra .....lb. .34 - —
No. 1 superior .....lb. .31 - —
No. 2 extra .....lb. .30 - —
No. 2 superior .....lb. .27½- —
No. 3 .....lb. .22 - —
chips extra .....lb. .18 - —
chips 80% .....lb. .16 - —
nubs .....lb. .24 - —
dust .....lb. .12¼- —

Gum Kauri prices are for carload lots, packed in cases, ex dock or ex whse. San Francisco or New York. L.c.l. prices are ¼c. to ½c. per pound higher. On arrivals of gum kauri since June 1, importers have been authorized by OPA to add to the above prices charges of approximately 5½% for freight, marine and war-risk insurance.

Kino, tins.....lb. No prices
Locust bean, powd., bbls....lb. 1.10 - 1.15
Mastic, cs.....lb. 3.50 - 3.75
Myrrh, USP, cs.....lb. .75 - .76
Olibanum, siftings, cs.....lb. .11½- .13
tears, cs.....lb. .18 - .35
Opium (see O).
Red gum (see Gum, accroides).
Rosin (see R).
Sandarac,[1] cks.....lb. .07½- —
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs.....lb. .10 - .11
Tragacanth, Aleppe, No. 1, cs. lb. 3.75 - 3.80
No. 2, cs.....lb. 3.40 - 3.45
No. 3, cs.....lb. 1.10 - 1.20
Yacca,[1] red gum, coarse.....lb. .06- —
powdered .....lb. .07¼- —
Gypsum, Keene's cement, paper bbs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.65 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
bgs., New Brighton, N. Y., frt. equald..ton.28.25 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.43 - —
Plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex., Akron, N.Y., Blue Rapids, Kansas; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Texas; Southard, Okla.; Sweetwater, Texas; frt. equald..ton. 5.00 - —
Saltville, Va.....lb. 9.00 - —
Gypsum, Terra Alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla...ton.12.00 - —
Harlem River, N.Y. ton.12.00 - —
import, bgs., ex dock.....ton. No prices

H

Hawthorn berries, bgs.....lb. 1.10 - 1.15
Heliotropin, cryst., cns.....lb. 5.25 - 5.50
Hellebore root, white, powd., bbls. lb. .46 - .47
Helonias root, bls.....lb. .33 - .33
Hematine, cryst., bgs., No. 1...lb. .34 - —
No. 2.....lb. .30 - —
No. 3.....lb. .28 - —
No. 4.....lb. .26 - —
No. 5.....lb. .24 - —
paste, bxs., No. 1.....lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —
Hemlock bark extract, 25% tan, c.l., bbls., works...lb. .0385- —
tanks, works.....lb. .0325- —
Hempseed, Manchur., bgs.....lb. .15 - .15½
Henbane leaves, bbls.....lb. 1.75 - 1.80
Henna leaves, bls.....lb. .19 - .20
powd., bbls., bxs.....lb. .25 - .28
Heptane,[1] 56°-100° C, industrial grade, dms., l.c.l., Group 3...gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10 - —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3.....gal. .55 - —
77°-115°, industrial grade, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3Ngal. .16 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3.....gal. .55 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine,*[3] tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipment, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipment, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexanes,[1] 60°-70°C., industrial grade, dms., c.l., Group 3, gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3.....gal. .55 - —
Hexanol, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, 25 oz. lots, bots..oz.37.50 -42.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 4.35 - 4.50
Hops, NF, bls.....lb. .26 - .27
Horehound, bls.....lb. .11 - .14
Hydrangea root, bls.....lb. No prices
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 ozs...oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.29.00 - —
Hydrastinine, 15 grs., bots..bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works...lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River; West Coast via Panama Canal..lb. .16 - .18½
Hydroquinone, dealers, bbls., dms., lb. .90 - .94
Hydroxycitronellal, cns.....lb. 6.25 - 7.50
dms., works.....lb. 4.50 - —
Hyoscine hydrobromide, bots., gram. 4.50 - —
Hyoscyamine, bots.....oz.37.50 - —
Hydrobromide, bots.....oz.37.50 - —
Sulphate, bots.....oz.37.50 - —
Hypernic, cryst., bgs., No. 1..lb. .42 - —
No. 2.....lb. .34 - —
extract, bbls., No. 1.....lb. .24 - —
No. 2.....lb. .19 - —

I

Iceland moss, bls.....lb. 1.45 - 1.50
Ichthyol, bots.....lb. No stocks
Indian red (see Red Indian).
Indigo, nat., chests.....lb. 2.14 - 2.20
synth., paste, bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.26.50 -27.50
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb. 1.35 - 1.44
resubl., 5-lb. bots.....lb. 2.10 - —
25-lb. bots., jars.....lb. 2.00 - —
Iodoform, 100-lb. dms., kgs...lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
beta, bots.....lb. 3.90 - 3.95
Methyl, alpha, 100%, cns....lb. 4.35 - —
Ipecac root, bgs.....lb. 1.75 - 1.85
powd., bgs.....lb. 1.85 - 1.95
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 80-90 mesh, bbls..lb. .32 - .33
prime bleached, bls.....lb. .38 - .50
powd. .....lb. .52 - .53
Iron acetate, USP IV, 100-lb. cbys..lb. .17 - —
50 lbs., djns.....lb. .18 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., llvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 350-lb. dms...100 lbs. 4.85 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .08
kegs, works, frt. alld. or equald..lb. .07½- .08
USP X, cryst., lump, bbls..lb. .07½- —
kegs .....lb. .08¼- —
solut., cbys., works, frt. alld. or equaled..lb. .06½- .07¼
djns. .....lb. .07¼- —
Citrate, USP VIII, pearls....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales .....lb. .77 - .80
Glycerophosphate, bbls., 1,000-lb. lots...lb. 3.30 - 3.39
100-lb. lots.....lb. 3.40 - 3.49
cns., 25 lbs.....lb. 3.52 - 3.62
Hyposulphite, bbls., dms.....lb. 1.50 - 1.52
Iodide, bots.....lb. 3.18 - 3.52
syrup, cbys.....lb. .39 - .40
bots. .....lb. .53 - .59
Nitrate, red, tech.....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - .49
cns. .....lb. .52 - —
pearls, cns.....lb. .52 - —
Oxide, black (see Black iron oxide).
Phosphate, ferric, pearls cns. 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 96%, cs.....lb. .65 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
USP, cryst., 275-lb. bbls...lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms.lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
pearls, 2,000-lb. lots, dms..lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
scales, 2,000-lb. lots; dms..lb. .44 - —
200-lb. lots., dms.....lb. .47 - —
Prices on green are the same as for brown.
Iron-ammonia oxalate,* bbls...lb. .23½- —
dms., kgs.....lb. .25½- —
Iron-soda oxalate, bbls.....lb. .23½- —
dms. .....lb. .25½- .26¼
Isobutyl acetate 55-gal. dms., works..lb. .0860- —
tanks, works.....lb. .0760- —
Propionate, dms., works.....lb. .102 - —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .12 - —
dms., c.l., E. of Rockies, frt. alld..lb. .11 - —
l.c.l., E. of Rockies, frt. alld..lb. .11½- —
tanks, E. of Rockies, frt. alld. lb. .10 - —
Alcohol (see Alcohol).
Ether, dms., c.l.....lb. .06 - —
l.c.l. .....lb. .06½- —
tanks .....lb. .04½- —
Isopropylamine, dms., works...lb. .35 - —

J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .45 - .62
powd., bbls., bxs.....lb. .52 - .53
resin, lump, 100-lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berres, bgs.....lb. .30 - .32

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U.S.I. CHEMICAL NEWS

February ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1943

Dibutyl Phthalate Good Softener for Perbunan Rubber

Imparts Excellent Resistance To Cold and Gasoline Immersion

ELIZABETH, N. J.—Dibutyl phthalate is rated among the most satisfactory softening agents for the compounding of Perbunan type synthetic rubber, it is indicated by the reports of research workers here.

The effect of a number of softeners was studied from the standpoint of response of the compounded rubber to subzero temperatures, and also of contact with petroleum oils. As a result of these tests, it was found that dibutyl phthalate is one of a small group of ingredients which are effective in preventing hardening at low temperatures.

Effect of Petroleum

Since Perbunan is largely used for making hose, gaskets, and other parts subjected to contact with petroleum oils, behavior of the softener under these conditions is a matter of extreme importance. Undue extraction of the softener would result in marked shrinkages in volume of the compounded part. From this standpoint also, dibutyl phthalate shows good resistance to immersion in gasoline, as measured by volume change, tensile strength retention, and low increase in hardness.

Drug Trades Section to Hold Dinner on March 4

The 18th Annual Dinner sponsored by the Drug, Chemical, and Allied Trades Section of the New York Board of Trade will be held at the Waldorf-Astoria in New York on Thursday, March 4.

Following the precedent established last year, it has been announced that a substantial donation to a war charity will be made from the proceeds of the dinner. The cooperation of the industry in maintaining a high level of attendance at the dinner will help to make the contribution as large as possible.

Sulfa Drug Films Studied For Burns, Cuts, Surgery

BALTIMORE, Md.—Translucent films containing sulfa drugs are undergoing study here as a surgical dressing for burns and cuts and for the treatment of wounds. Preliminary reports indicate that the films are effective in preventing infection.

The films are prepared by making an emulsion of 3% sulfadiazine or sulfanilamide, 2.5% methyl cellulose, 3% triethanolamine, and 0.5% sorbitol with ethanol or acetone. This emulsion is sprayed on a smooth glass sheet, from which it is stripped off in the form of a film. The film is applied after preliminary cleaning of the affected area.

New Pittsburgh Address

U.S.I.'s Pittsburgh Office is now located in the Fulton Building, 107 Sixth Street.

New Source of Glycerol Opened By Process Developed by U.S.I.

Fermentation Procedure is Key to Vitally Needed Supplies For Manufacture of Explosives and Other Urgent Requirements

In view of the current importance of glycerol as a raw material in the manufacture of nitroglycerine for explosives, the development by U.S.I. of a commercially practicable method for producing this vital material by fermentation of molasses assumes outstanding interest. Pilot plant operations have demonstrated the feasibility of the technique, and commercial production is soon expected to alleviate the critical demand for glycerol.

Glycerol (more commonly known as glycerine), discovered in 1779 by Karl W. Scheele, is one of the oldest and most widely used chemicals. The value of glycerol rests on its physical properties rather than on its chemical constitution although it is employed chemically to make certain very important compounds. Of the physical attributes of glycerol, the most outstanding is its strong affinity for water. This has led to its employment as a humectant and plasticizer, and since it is non-toxic, it can be used in cosmetics and foodstuffs where an agent for the holding of moisture is necessary to keep the products in condition. Glycerol is a remarkably good solvent, comparing in this respect with water and ethanol. Many antiseptics and essential oils are soluble in glycerol, and this solvent property, combined with the fact that it is non-toxic, gives the compound its unique place in the manufacture of pharmaceutical preparations and as an ingredient of food products.

This article lists some outstanding uses of glycerol in military and civilian applications. A much more detailed listing is given in Bulletin GU, which is available without charge from U.S.I.

Manufacture of Resins

In recent years glycerol has taken an important place in the plastic field as a constituent of alkyd resins. These resins (phthalic anhydride and glycerol) are made in a variety of ways. Glycerol and resin are combined to make the well-known ester gums widely used

(*Continued on next page*)

New Method Described for Making Chroman Compounds

MINNEAPOLIS, Minn.—A novel process for making tocopherol-like chroman compounds has been revealed in a patent granted to an inventor here. Since alpha-tocopherol is Vitamin E, these new compounds, apparently of a similar character, are expected to have medical and biological applications.

Key to the new process lies in the preparation of the primary intermediate. A halo-alkyl derivative of a diether of hydroquinone is first prepared. This compound is then used to alkylate a *beta*-keto ester, preferably ethyl sodium acetoacetate, resulting in the formation of the primary intermediate.

Ethyl sodium acetoacetate is produced by U.S.I.

Non-Discoloring Adhesive Made with Aid of Urethan

WESTFIELD, Mass.—Discoloration of the adhesive on envelope flaps can be prevented by means of a novel formulation involving the use of urethan, it is claimed in a patent granted to an envelope maker here.

The discoloration is caused, according to the patent, by chemical reaction between degraded protein in the paper and reducing sugars in the adhesive. It can be prevented, it is claimed, by decreasing the reducing sugar content. The fluidity necessary to apply the adhesive to the envelope, ordinarily obtained by high sugar content, is achieved by addition of a carbamic acid ester, such as urethan.

The manufacture of nitroglycerine for explosives is one of the most important applications of glycerol. Procedure developed by U.S.I. will make additional supplies available for this and other purposes.

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February ★ # U.S.I. CHEMICAL NEWS ★ 1943

Applications of Glycerol

(Continued from preceding page)

in varnishes. Glycerol is an important ingredient in adhesives, acting as a means of controlling the flexibility of these products so as to give them the maximum of strength under the conditions of use. A similar application is found in certain cements such as the familiar litharge-glycerol combination used as a plumber's cement and a cement for aquaria. Here advantage is taken of the readiness with which glycerol combines with the lead salt used in the cement to form a hard insoluble compound.

Plasticizing Cellophane

One of the outstanding uses of the compound in modern technology is the employment of glycerol in plasticizing cellophane. It is only necessary to consider how widely used this material is to realize the important part that glycerol plays in our everyday affairs. In cellophane the glycerol exists in the form of a solution of approximately 60% strength. About 25% of the weight of the finished product is made up of the plasticizer. Without a suitable softening agent, the cellophane film is brittle and useless.

Lubricating Properties

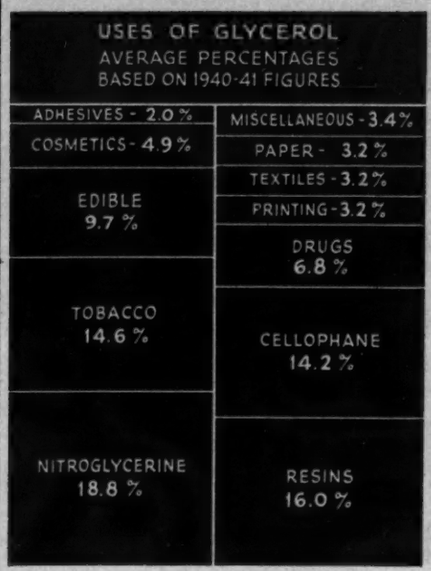
Other widespread uses of glycerol rest on its lubricating properties. Certain machinery used in processing foods must be lubricated with a tasteless and non-toxic lubricant. Glycerol fits these specifications well and has in addition a high degree of stability under the conditions existing in bearings.

In textiles, glycerol has uses which depend largely on its properties as a lubricant. It thus renders fabrics soft and facilitates weaving, and since it is so readily miscible with water, it aids in dyeing and printing operations on cloth.

Another major use of glycerol is in tobacco. Here the hygroscopicity of the material comes into play to keep the tobacco moist and thus to hold it in condition over long periods of time during which the tobacco without such protection would dry out completely. It is difficult to find a substitute for this particular use of glycerol.

Making of Explosives

The most important purely chemical use of glycerol is as a raw material in the manufacture of nitroglycerine for explosives. Modern ammunition requires precisely formulated propellants and nitroglycerine has a place of major importance as an ingredient in these propellants. Since the ballistics of long range guns is based on the propellant, the propellant formula cannot be changed without revising the data on which the aiming of the guns is based. The employment of nitroglycerine in powders overshadows all other uses at the present time.



An approximate breakdown of the amounts of glycerol employed in various fields is shown in the accompanying chart. Four uses, nitroglycerine manufacture, resin manufacture, tobacco conditioning and cellophane plasticizing account for over 60% of all the glycerol produced. The figures in the graph are averaged from 1940 and 1941 statistics.

The use of glycerol showed an increase of approximately 33⅓% from 1940 to 1941, and expanding military use, plus the necessity for adequate stock piling, makes a shortage of this vital chemical a possibility to be reckoned with during the coming months. Substitutions are possible to some extent and certain uses can be curtailed, but the restriction of available glycerol to explosive manufacture and its consequent elimination from all civilian uses poses a very difficult problem due to the widespread use of this versatile chemical.

This brief review of the major applications of glycerol indicates the importance of developing new sources of supply. The fermentation procedure developed by U.S.I. to meet this demand will be discussed in a second article on glycerol, which will appear in the March issue of U.S.I. CHEMICAL NEWS.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

New adhesives, made from a vegetable base, are said to compare in range and flexibility of action with animal-base adhesives. According to the maker, they can be used undiluted or mixed with water, to give firm adhesion in combinations of paper, cardboard, fabrics, leathers, and imitation leathers. **(No. 660)**

U S I

A sponge rubber substitute can be vulcanized directly to such surfaces as metal and plastics, and has flex-cracking resistance which improves at lower temperatures, it is reported. In many other respects, properties are said to be very similar to those of natural rubber. Material is immediately available for many war applications. **(No. 661)**

U S I

New gaskets made from solution-proof kraft paper are described as suitable for replacements for rubber gaskets in drums, pails, bungs, and spouts. They are said to have been tested for the transportation of all liquids except corrosive acids **(No. 662)**

U S I

Drying oil substitutes can be produced by fractionation of domestic oils, research work indicates, and commercial production is expected soon It is reported that the process is adaptable to the making of special fractions for specific purposes. **(No. 663)**

U S I

A suspension agent is reported to aid in preventing the settling or caking of pigments used in luminous paints. It is said that the product can be used in high concentrations to form thick supporting gels **(No. 664)**

U S I

A lintless filter paper is described as having high retention qualities. Maker says that it is supplied washed with nitric acid, and that it is primarily suitable for the filtering of intravenous and subcutaneous injectibles. **(No. 665)**

U S I

Agitator tanks are now being constructed from wood, including cypress, redwood, pine, fir, oak, and poplar, it has been announced. Storage tanks up to 100,000 gallons capacity are also being produced. The wood tanks are expected to be useful to the processing industries. **(No. 666)**

U S I

Pure nickel foil is now being produced on a small scale in widths up to 16 inches and thicknesses from 0.00025 to 0.0015 inch, it is reported. Possible applications are seen as container linings, diaphragms, and wrappings. **(No. 667)**

U S I

Analytical sets now being supplied include the necessary apparatus and chemicals for the testing of plating solutions. One set is designed for determining total and free sulfuric acid; a second for total and free chromic acid. **(No. 668)**

U S I

Imitation perfume oils developed by one supplier are said to include products that simulate the following natural oils: cassia, bergamot, cinnamon, citronella Java, geranium, lavender, lemongrass, peppermint, and sassafras **(No. 669)**

U.S.I. INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND STREET, NEW YORK — BRANCHES IN ALL PRINCIPAL CITIES

CHEMICALS — INDUSTRIAL — ANTI- — USI SERVICE TO INDUSTRY — SOLVENTS — ALCOHOLS — FREEZE

ALCOHOLS
Amyl Alcohol
Butanol (Normal Butyl Alcohol)
Fusel Oil—Refined

Ethanol (Ethyl Alcohol)
Specially Denatured—All regular and anhydrous formulas
Completely Denatured—all regular and anhydrous formulas
Pure—190 proof, C.P. 96%, Absolute
U.S.I. Denatured Alcohol Anti-freeze
*Super Pyro Anti-freeze
Solox Proprietary Solvent
Solox D-I De-icing Fluid

***ANSOLS**
Ansol M
Ansol PR

ACETIC ESTERS
Amyl Acetate
Butyl Acetate
Ethyl Acetate

OXALIC ESTERS
Dibutyl Oxalate
Diethyl Oxalate

PHTHALIC ESTERS
Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate

OTHER ESTERS
*Diatol
Diethyl Carbonate
Ethyl Chloroformate
Ethyl Fumarate

INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-anisidide
Acetoacet-ortho-chloranilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloranilide
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Sodium Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone
Collodions
*Curbay B.G.
*Curbay Binders
*Curbay X (Powder)
Ethylene
Ethylene Glycol
Nitrocellulose Solutions
Potash, Agricultural
Urethan
*Vacatone

*Registered Trade Mark

K

Kamala, tins	lb.	.39 - .40
Kaolin (see China clay).		
Kava kava root, bls.	lb.	.27 - .28
Kerosene[1] at refinery:—		
Bayonne, 41-43 w.w., tanks	gal.	.068 - —
California (f.o.b. San Francisco), truck	gal.	.11½- —
Gulf ports, 41-43, bulk	gal.	.06¾- .04½
Arkansas, 41-43 w.w., bulk, car lots	gal.	.04¾- —
Oklahoma-Texas, 41-43 w.w., tanks	gal.	.04½- —
Pennsylvania, 45-46 and 47, w.w., tanks	gal.	.06½- .07¾
Kola nuts, bgs.	lb.	.08 - .11

L

Lady, slipper, root, bls.	lb.	.50 - .90
Lanolin (see Adeps lanae).		
Lard,[1,5] city, trcs.	100 lbs.	13.80 - —
Western, choice, trcs.	100 lbs.	13.80 - —
Larkspur seed, bgs.	lb.	3.75 - 4.00
Laurel berries, bls.	lb.	.25 - .26
Leaves, Greek, bls.	lb.	.55 - .56
Cyprus, bls.	lb.	.34½- .35
Portuguese, bls.	lb.	.15 - .16
Spanish	lb.	.32 - .33
Lavender flowers, ordinary, bls.	lb.	.70 - .75
medium, bls.	lb.	.80 - .85
select, bls.	lb.	.90 - .96
Lead,[1] metal (see paint market).		
Acetate,[5] white, broken, bbls.	lb.	.12½- —
cryst., bbls.	lb.	.12½- —
gran., bbls.	lb.	.13¼- —
powd., bbls.	lb.	.13¼- —
Lead, arsenate,[5] bls., c.l.	lb.	.11 - .12
bgs., l.c.l.	lb.	.11½- .12½
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.		
Blue, basic sulphate, bbls., c.l., dlvd. E.	lb.	.07½- —
dlvd., Ars., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.07¾- —
l.c.l., dlvd. E., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.07¾- —
Carbonate (see Lead, white).		
Chloride, fib. dms., 100 lbs.	lb.	.49 - —
Iodide, NF V, powd., 5-lb. bots.,	lb.	2.80 - —
jars	lb.	2.60 - —
Linoleate, pale, precip., bbls.	lb.	.32½- —
Metal (see daily quotations in market report).		
Metallic, paste, 200-lb. cont., f.o.b. works	lb.	.21½- —
1 to 5 ton lots, same basis,	lb.	.19¾- —
Nitrate, bbls.	lb.	.12½- —
Peroxide, powd., bbls., tech.	lb.	.23 - —
Oleate, bbls.	lb.	.17¾- —
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.	lb.	.09¼- —
Other points	lb.	.09 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash.	lb.	.09¾- —
Lead, red; dry, 95% Pb_3O_4, bbls., l.c.l., 5 tons, dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.10¼- —
Colo., Mont., N. Mex., Wyo.	lb.	.10 - —
other points	lb.	.09¾- —
smaller lots, Ala., etc.	lb.	.10¼- —
Ariz., etc.	lb.	.10¾- —
Colo., etc.	lb.	.10¾- —
other points	lb.	.10 - —
97% Pb_3O_4, bbls. (20 tons), dlvd., Ala., etc.	lb.	.09¾- —
other points	lb.	.09¾- —
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.10 - —
Colo., etc.	lb.	.10¼- —
Ariz., etc.	lb.	.10¾- —
other points	lb.	.09¾- —
smaller lots, dlvd., Ala.	lb.	.10¾- —
Ariz., etc.	lb.	.11 - —
Colo., etc.	lb.	.10¾- —
other points	lb.	.10½- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc.	lb.	.09¾- —
other points	lb.	.09½- —
l.c.l., 5 tons, dlvd. Ala., etc.	lb.	.10¼- —
Ariz., etc.	lb.	.10¾- —
Colo., etc.	lb.	.10¼- —
other points	lb.	.10 - —
smaller lots, dlvd., Ala., etc.	lb.	.10¼- —
Ariz., etc.	lb.	.11¾- —
Colo., etc.	lb.	.11 - —
other points	lb.	.10½- —
in oil, 95% min., 100-lb. kgs.,	lb.	.14 - —
Resinate, fused, 15%, bbls., c.l.	lb.	.10 - .12
pale, bbls., c.l.	lb.	.12 - .14
Lead, resinate, 6%, bbls., c.l.	lb.	.09½- .10½
l.c.l.	lb.	.10¼- —
Silicate, bgs., 5 tons	lb.	.0730- —
smaller lots	lb.	.0780- —
Stearate, bbls.	lb.	.31 - .33
Sulphate (see Lead, white basic sulphate).		
Titanate, bgs., or bbls., c.l. (20 tons), works, frt. alld.	lb.	.11 - —
l.c.l., 5 tons, one delivery, E., frt. alld.	lb.	.11¼- —
Pac. Cst., ex whse.	lb.	.11¼- —
smaller lots, E., frt. alld.	lb.	.11½- —
Pac. Cst., ex whse.	lb.	.11½- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo.	lb.	.08½- —
other points	lb.	.08¾- —
l.c.l., dlvd. Ariz., etc.	lb.	.08¾- —
other points	lb.	.08½- —
basic sulphate, bbls., c.l., dlvd. Ariz., etc.	lb.	.07¼- —
other points	lb.	.07¼- —
l.c.l., dlvd., Ariz., etc.	lb.	.08 - —
other points	lb.	.07½- —
in oil, consumers, 100-lb. kgs.	lb.	.13¾- —
dealers, 100-lb. kgs.	lb.	.11¾- —
painters, 100-lb. kgs.	lb.	.12¾- —
Consumers' prices and painters' prices are ½c. lower on orders of 500 lbs. or more.		
Lecithin, edible, dms., c.l.	lb.	.23½- —
l.c.l.	lb.	.29 - .43
tech., dms., c.l.	lb.	.26 - —
l.c.l.	lb.	.26½- .37½
in cocoa butter, dms., c.l.	lb.	.40¼- —
l.c.l.	lb.	.41 - .55
Lemon peel, bls.	lb.	.35 - .42
Licorice extract, mass, cns.	lb.	No prices.
powd., bbls.	lb.	No prices.
root, natural, bls.	lb.	.12 - .13
powder, bbls., bls.	lb.	.22 - .30
select, bbls., cs.	lb.	1.05 - —
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.:—		
Adams, Mass.	ton.	8.00 - —
Bellefonte, Pa.	ton.	7.50 - —
Berkley, W. V.	ton.	7.50 - —
Carey, Ohio.	ton.	7.00 - —
Cedar Hollow, Pa.	ton.	8.50 - —
Crab Orchard, Tenn.	ton.	6.25 - —
Eagle Mountain, Va.	ton.	7.00 - —
Farnams, Mass.	ton.	8.00 - —
Gibsonburg, Ohio.	ton.	7.00 - —
Hannibal, Mo.	ton.	6.50 - —
Keystone, Ala.	ton.	6.25 - —
Knoxville, Tenn.	ton.	6.25 - —
Limedale, Ark.	ton.	7.00 - —
Longview, Ala.	ton.	6.25 - —
Manistique, Mich.	ton.	8.00 - —
Martinsburg, W. Va.	ton.	7.50 - —
Menominee, Mich.	ton.	8.00 - —
Mitchell, Ind.	ton.	6.50 - —
Newala, Ala.	ton.	6.25 - —
Rincon, Cal.	ton.	13.00 - —
Ripplemead, Va.	ton.	7.00 - —
Riverton, Va.	ton.	7.00 - —
Rockland, Me.	ton.	8.00 - —
San Francisco, Cal.	ton.	13.00 - —
Scioto, Ohio.	ton.	6.50 - —
Springfield, Mo.	ton.	7.00 - —
Woodville, Ohio.	ton.	7.00 - —
York, Pa.	ton.	7.50 - —
hydrated, f.o.b. Adams, Mass.	ton.	8.50 - —
Bellefonte, Pa.	ton.	9.00 - —
Berkley, W. Va.	ton.	9.00 - —
Buffalo, N. Y.	ton.	10.00 - —
Carey, Ohio.	ton.	8.50 - —
Cedar Hollow, Pa.	ton.	8.00 - —
Crab Orchard, Tenn.	ton.	9.00 - —
Eagle Mountain, Va.	ton.	8.50 - —
Farnams, Mass.	ton.	8.50 - —
Gibsonburg, Ohio.	ton.	8.50 - —
Hannibal, Mo.	ton.	8.50 - —
Keystone, Ala.	ton.	9.00 - —
Knoxville, Tenn.	ton.	9.00 - —
Le Roy, Minn.	ton.	10.00 - —
Lime Crest, N.J.	ton.	8.50 - —
Limedale, Ark.	ton.	9.00 - —
Longview, Ala.	ton.	9.00 - —
Louisville, Ky.	ton.	14.50 - —
Manistikue, Mich.	ton.	9.50 - —
Marblehead, Ohio.	ton.	9.50 - —
Martinsburg, W. Va.	ton.	9.00 - —
Mitchell, Ind.	ton.	9.00 - —
Newala, Ala.	ton.	9.00 - —
Potoskey, Mich.	ton.	9.00 - —
Port Island, Mich.	ton.	9.00 - —
Rapid City, S. D.	ton.	12.00 - —
Ripplemead, Va.	ton.	9.00 - —
Rockland, Me.	ton.	9.00 - —
San Francisco, Cal.	ton.	16.00 - —
Springfield, Mo.	ton.	9.00 - —
Woodville, Ohio.	ton.	8.50 - —
York, Pa.	ton.	8.50 - —
spray, paper bgs., f.o.b.:—		
Adams, Mass.	ton.	9.50 - —
Bellefonte, Pa.	ton.	9.00 - —
Carey, Ohio.	ton.	11.00 - —
Farnams, Mass.	ton.	9.50 - —
Gibsonburg, Ohio.	ton.	11.00 - —
Lime Crest, N. J.	ton.	8.50 - —
Marblehead, Ohio.	ton.	11.00 - —
Rockland, Me.	ton.	10.00 - —
Scioto, Ohio.	ton.	10.00 - —
Woodville, Ohio.	ton.	11.00 - —
York, Pa.	ton.	9.00 - —
Lime salts (see Calcium).		
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex.	lb.	No price
dms., same oasis	lb.	No price
400 lbs. or more, bgs., same basis	lb.	No price
dms., same basis	lb.	No price
Lime-sulphur, dry, dealers, bgs., less than 400 lbs., same basis	lb.	No price
dms., same basis	lb.	No price
Solution, Zone 1, dms., consumers	gal.	No price
Zone 2, tanks, dealers, wks.	gal.	No price
30-50, dms.	gal.	No price
Zone 3, tanks, dealers, dlvd.	gal.	No price
30-50, dms.	gal.	No price
Zone 4, tanks, dealers, wks.	gal.	No price
dms., wks., except Cal.	gal.	No price
Zone 5, dealers, dlvd.	gal.	No price
dms.	gal.	No price
Zone 6, tanks, dealers	gal.	No price
30-50, dms.	gal.	No price

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C. except the counties of Ashe, Surry, Stokes, Rockingham and Allegheny; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. river; Penn., eastern ter. and W. Va., western tier. Zone 4: West of Rocky Mountain, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Allegheny, Surry, Stokes and Rockingham.

Linalool, cns.	lb.	6.75 - 8.25
Linalyl acetate, 70% to 80%, cns.	lb.	5.00 - 6.00
90%, cns.	lb.	6.50 - 6.75
92%, cns.	lb.	7.00 - 7.25
Linden flowers, bls.	lb.	1.10 - 1.60
without leaves, bls.		No stocks

CROWN CAN *has a real interest in that Baby!*

Recognize it? If you don't ... the Japs do ... to their sorrow.

It's a Vought-Sikorsky (Corsair) ... fastest fighting plane of the United States Navy.

The skill and craftsmanship that is producing Crown Cans is also employed in making cowlings for the engine of this Vought-Sikorsky fighter.

And here's what Mr. J. M. Barr, Assistant General Manager, of Vought-Sikorsky Aircraft, says about how well Crown is doing its part of the job:

"Mr. Schramm says the fit is excellent and the workmanship leaves nothing to be desired ... It is the desire of this division to take pride in the work of its subcontractors and we certainly feel justified in the case of the Crown Can Company."

"The workmanship leaves nothing to be desired." Thank you, Mr. Barr!

But that's an old story to those who have known for years that the workmanship which goes into Crown Cans was always of that same standard...just one more example of how Crown Can is serving the Nation.

CROWN CAN COMPANY, New York • Philadelphia. *Division of Crown Cork & Seal Co., Baltimore, Maryland.*

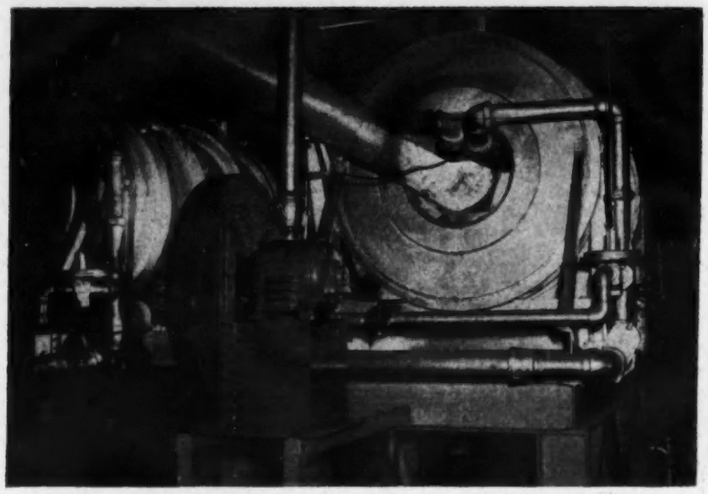
★ ★ CROWN CAN ★ ★ ★

OPD—2-1-1943

INSIDE NEWS

FEBRUARY PREPARED BY NATIONAL CAN CORPORATION, NEW YORK, N. Y. 1943

Vegetable Flame Peeler Proves Successful



FLAME PEELER IN USE—*More satisfactory than abrasive peelers which remove a much higher percentage of the good part of vegetables, the flame peeler may well become a standard piece of cannery equipment in normal times.*

A FLAME PEELER has been used by a New York canning company to prepare vegetables for newly installed dehydrating lines. So successful has been the operation that it may prove a satisfactory unit for use in canning operations as well as for dehydrating.

The peelers originally were designed for use on pimentos in the south. They have been tried experimentally on carrots and should prove satisfactory for similar root crops.

The peeler consists of a large rotating metal cylinder lined with a refractory brick worm which carries the product through the cylinder during the flame treatment. An intense flame is blown into the cylinder through the intake end. As the vegetable passes through the outer surface is charred. A forceful stream of water at the output end of the machine washes off all the charred peel and the vegetable is ready for the inspection and preparation line.

The advantages of the flame peeler are said to be fast production with a minimum waste of material, since there is no abrasion beyond that of the water spray which cannot penetrate deeper than the heat treatment. (269)

Brazilian Oils Gain New Importance

Besides producing cottonseed, linseed, castor, coconut, brazil-nut, sunflower, peanut and palm kernel oils, as well as oil from coffee, Brazil yields many other vegetable oils which may become important as a result of war shortages. They include citicia oil from the seed of that name; babacu oil from babacu nut; andiroba oil, similar to almond oil; curicuri oil, similar to copra oil; bankul oil from the nogueira nut; cumarin oil; the edible oils of curua, sesame and macauba; pracaxi oil; corn oil and mustard oil. Moreover, murumuru and tacum, two vegetable fats used in the manufacture of margarine, are also produced in Brazil. (270)

* * * * *

SYNTHETIC TALL OIL has reportedly been produced in India from rosin and fatty acids by a method worked out at the Forest Research Institute, Dehra Dun. This material is in demand for the production of asphalt emulsions for road making, the British press reports.

Paints Now Made With Synthetic Resins

Paints made with synthetic alkyd resins have durability and adaptability. In the new lusterless, olive-drab enamels, these resins have largely replaced tung and perilla, and their incorporation in other paints has produced coatings particularly valuable for protecting the superstructure and other parts of warships. One report asserts that these resins and heat-bodied linseed oil yield varnishes better in some cases than those produced with tung—and at a smaller cost. (271)

New Substitute for Sponge Rubber

Because a kettle boiled over accidentally, a surgical dressings manufacturer has announced, there is a new substitute for sponge rubber that can be produced from waste farm products and used in tanks, airplanes and other war equipment.

Two chemists in the laboratories of the company were seeking a substitute for rubber as an adhesive in adhesive tape. They combined a resin with an acid. When they attempted to vulcanize it in a kettle with other chemicals, the contents foamed up out of control. They succeeded in controlling the foam and the new rubber substitute was the result. The sponge-rubber substitute, as yet unnamed, can be used to line tanks, pad airplane cockpits, pad helmets, fill seat cushions and make de-icers for airplane wings and mattresses for hospitals.

After the war the product will be used for general civilian production to replace natural sponge rubber. The discoverers of the new product said the resin was derived from soybean and corn oil. They said that by controlling the foam they can control the density and resilience of the substitute rubber. It is also claimed that the product absorbs more water than spongy rubber and can be easily vulcanized to metals, plastics or wood. Moreover, it does not age as rapidly as natural rubber and resists acids and gasoline better. (272)

War Spurs Meat-Drying Techniques

Probably one of the most important developments to come out of the war, so far as the other Americas are concerned, is the advance in knowledge of drying meats. The U. S. Government is placing large orders for millions of pounds of dried beef and pork.

Dried beef is made from the lean portions of beef cattle, with bones and fat removed. An average steer will produce about 75 pounds of dried beef weighing only one fourth as much as the original meat and measuring only one half the volume. Equally important, the dried beef can be safely eaten months after it has been prepared. (273)

Linseed meal, 32%, sacks, f.o.b. New York, February delivery..ton.	**No prices**	
Litharge, com'l powd., bbls., 20 tons, dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore., and Wash..lb.	.08¼-	—
dlvd. other points.....lb.	.08 -	—
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash...lb.	.08¾-	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb.	.09¼-	—
Colo., Mont., N. Mex., Wyo..lb.	.09 -	—
Other points.....lb.	.08¼-	—
smaller lots, dlvd. Ala., etc. lb.	.09¼-	—
Ariz., etc.....lb.	.09¾-	—
Colo., etc.....lb.	.09½-	—
Other points.....lb.	.09 -	—
Lithium bromide, bbls., 100 lbs., works, frt. equald..lb.	1.90 -	—
50 lbs., works.....lb.	1.93 -	—
25 lbs., works.....lb.	1.95 -	—
Carbonate, NF VI, 250-lb. bbls. lb.	1.25 -	—
100-lb. kgs.....lb.	1.30 -	—
Chloride, 25-lb. jars.....lb.	1.65 -	1.70
Lithium, citrate, 250-lb. bbls..lb.	1.40 -	—
25-lb. dms.....lb.	1.45 -	—
100-lb. kgs.....lb.	1.40 -	—
Fluoride, bbls.....lb.	2.10 -	2.25
Hydroxide, jars.....lb.	1.35 -	—
Iodide, 5-lb. bots.....lb.	5.20 -	—
25-lb. jars.....lb.	5.05 -	—
Lithopone,[1] titanated (high strength), bgs., c.l., (20 tons)..lb.	.0560-	—
smaller lots.....lb.	.0585-	—
bbls., c.l. (20 tons).....lb.	.0585-	—
smaller lots.....lb.	.0610-	—
ordinary, bgs., c.l. (20 tons)..lb.	.04¼-	—
smaller lots.....lb.	.04½-	—
bbls., c.l. (20 tons).....lb.	.04¼-	—
smaller lots.....lb.	.04¾-	—
Lithopone in car lots is ¼c. per lb. higher delivered to the Pac. Cst. and in less car lots is ½c. higher ex whse., Pac. Cst.		
Liverwort, leaves, bls.....lb.	.60 -	.62
Lobelia, herb, bls.....lb.	.33 -	.34
Lobeline sulphate, bots., works, oz.	25.50 -	28.00
Logwood, cryst., No. 1, bgs....lb.	.28 -	—
No. 2, bgs.....lb.	.26 -	—
extract, liquid, No. 1, bbls..lb.	.14 -	—
No. 2, bbls.....lb.	.13 -	—
No. 3, bbls.....lb.	.12½-	—
No. 4, bbls.....lb.	.10 -	—
solid, No. 1, bxs.....lb.	.23½-	—
No. 2, bxs.....lb.	.21½-	—
Lovage root, dom., bls.....lb.	.55 -	.60
imported, bls.....lb.	4.50 -	—
Lupulin N.E., tins.....lb.	1.50 -	1.60
Lycopodium, cs.....lb.	7.50 -	8.00

M

Mace,[1] Bands, cs.....lb.	.80 -	.85
Blauw, No. 1, cs.....lb.	.70 -	.71
West Indian, cs.....lb.	.70 -	.71
Madder, Dutch, bbls.....lb.	.24 -	.30
Magnesia, arsenate,[6] dms.....lb.	.18 -	.20
Calcined, tech., USP, bbls., works..lb.	.26 -	—
Carbonate, tech., Zone 1, c.l., bgs..lb.	.06¼-	—
bbls., ...lb.	.07½-	—
kgs. .....lb.	.08¾-	—
l.c.l., bgs.....lb.	.07½-	—
bbls. .....lb.	.08½-	—
kgs. .....lb.	.09¾-	—
Zone 2, c.l., bgs.....lb.	.06¼-	—
bbls. .....lb.	.07½-	—
kgs. .....lb.	.08¾-	—
l.c.l., bgs.....lb.	.07 -	—
bbls. .....lb.	.08¼-	—
kgs. .....lb.	.09½-	—
USP, Zone 1, c.l., bgs.....lb.	.09 -	—
bbls. .....lb.	.08½-	—
kgs. .....lb.	.09¾-	—
l.c.l., bgs.....lb.	.09 -	—
bbls. .....lb.	.09½-	—
kgs. .....lb.	.10¾-	—
Zone 2, c.l., bgs.....lb.	.06¼-	—
bbls. .....lb.	.08½-	—
kgs. .....lb.	.09¾-	—
l.c.l., bgs.....lb.	.08¾-	—
bbls. .....lb.	.09½-	—
kgs. .....lb.	.10½-	—
Magnesia, carbonate, USP, other points..lb.	.08 -	—
Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equall. with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U. S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.		
Magnesium, chloride, anhyd., dom., bbls., dlvd..lb.	.13 -	—
flake, dom., bbls., works., c.l.. ton.	32.00 -	—
l.c.l., bbls., works.....ton.	39.00	-42.00
Fluoride, bbls.....lb.	.40 -	.50
Hydroxide, med., 200-lb. bbls..lb.	.25 -	—
25-lb. dms.....lb.	.30 -	—
100-lb. kgs.....lb.	.26 -	—
Hypophosphite, cns., 100 lbs..lb.	1.45 -	—
Oxide (see Calcined).		
Palmitate, bbls.....lb.	.33 -	.35
Peroxide, 15%, dms., works..lb.	1.00 -	1.35
Silicate (see Talc).		
Silicofluoride, bbls.....lb.	.18 -	.20
Stearate, bbls., ton lots.....lb.	.31 -	—
less than ton lots.....lb.	.32 -	—
Sulphate (see Epsom salt).		
Trisilicate, 1,000-lb. contracts, dms..lb.	.37 -	—
smaller lots, dms.....lb.	.42 -	—
cs., 500-lb. lots.....lb.	.40 -	—
100-lb. lots.....lb.	.42 -	—
5-lb. cns.....lb.	.60 -	—

OPD—2-1-1943

NATIONAL CAN

PLANTS: NEW YORK • BOSTON • BALTIMORE • CHICAGO • HAMILTON, OHIO • FORT WAYNE, INDIANA

Importation of Mexican beer into the United States has more than tripled since last year. The leading breweries declare that they can supply only half of the present U. S. demand. Mexican beer also goes to several Latin-American countries.

* * * * *

Promote Sauerkraut Canning in the Home

Owing to restrictions placed upon canning sauerkraut in tin cans, manufacturers of kraut may stimulate the sales of bulk kraut by promoting its purchase for home canning in addition to that used for immediate consumption.

The objection to enforced selling of kraut in bulk is that it does not keep the year around. Continued fermentation in the containers after it is in the retailer's establishment eventually makes the kraut unedible. It is unlikely, therefore, that bulk consumption can ever result in as large a total demand as existed when the product could be canned.

However, a real consumer education campaign, sponsored by the kraut packers, might well point out to the housewife the advantages of purchasing new kraut in bulk and packing it at home for future consumption. Such promotion could give specific directions for home-canning of kraut, either by the hot-pack or cold-pack method.

Home-canning of kraut is easy. The only disagreeable home chore would be making the kraut in the first place. (274)

WARTIME CONTAINERS—National Can Corporation is producing quantities of steel drums and kits to contain essential war supplies. The type of steel drum shown here carries high-grade lubricating oil and solvents for the U. S. armed forces, has a capacity of 5 imperial gallons.

Technical Topics

VEGETABLE "BRICKS"—The compression of dehydrated vegetables into "bricks" which can be coated with various packaging materials to replace critical metals is being studied by the New York State Agricultural Experiment Station at Geneva, N. Y. The dried vegetables are reduced under tremendous pressure to small "bricks" practically free from air. They are then coated with various moisture-proof and gas-proof materials. (275)

NETTLES—Britain's search for economic value in weeds has developed a paper of excellent quality from nettles. (276)

PHOSPHATE COMPOUNDS occupy an important role in the manufacture of bread for the American armed forces. Ammonium phosphate is used as a propagating agent for yeast going into the dough, and sodium ferric pyrophosphate is added to the dough batch to aid the nutritive qualities of the flour. (277)

GELATINE can be made from dried rabbit skin shreds, and a patent covering the method has recently been issued. (278)

FLAVORINGS—Allied occupation of Reunion Island in the North African campaign gives this country another source of flavoring ingredients. Vanilla beans are produced on that island—also vetiver, ylang ylang and geranium. (279)

CHLORINE added in very small amounts to the circulating water of steam condensers was successful in preventing organic growths in the tubes. It is reported that the treatment is now in use in many British power stations. (280)

HALOGENATED POLYTHENES, described in a recent British patent, are declared to be useful raw materials for the manufacture of paints, varnishes, artificial leathers and related products. The polythene to be halogenated is made by polymerizing ethylene by subjecting it to very high pressure and moderately high temperature. (281)

AMMONIA SUBSTITUTES — Replacements for household ammonia, now unavailable because of the war, have been introduced by a number of manufacturers. The new products are said to clean everything that ammonia will clean, while offering the additional advantages of improved odor and lower toxicity. (282)

INSECTICIDE—A possible substitute for rotenone, essential insecticide ingredient now practically unavailable, exists in the ground seeds of the yam bean, a tuber-like root grown in some Central and South American countries. Tests against cabbage worms, codling moth larvae, aphis, etc. showed results in some cases equal to the control provided by rotenone. (283)

TERPHENYLS have been made available commercially by a large American chemical manufacturer. The new high molecular weight, aromatic compounds are declared to offer opportunities in the chemical synthesis of dyes, drugs, and organic chemicals. They may be halogenated, sulphonated, or nitrated in the manner usual for aromatic compounds, it is added. Ortho, meta, and para forms are offered. (284)

PLANT HORMONES—Phenoxy and benzoic acids substituted in the nucleus with halogen, methyl, and nitro groups were declared recently to have opened a new line of progress in plant hormone development. Dichlorophenoxyacetic acid is very effective, it was stated, in causing cell elongation, adventitious roots, parthenocarpy and various formative effects. (285)

CHLOROPHYLL has been shown in recent investigations to have medicinal value in combating deep-lying infections in the cleansing of wounds, and in the relief of chronic sinus conditions and common head colds. It is also stated to be effective in controlling the offensive odor from certain anaerobic infections. (286)

ACRYLIC RESIN and mixed lower alipathic acid esters, such as cellulose acetate-butyrate or cellulose acetate-propionate, are stated to produce tasteless and odorless compositions suitable for coating the inside of metal food containers, according to a recent United States patent. (287)

Every effort will be made to furnish additional information on these articles. Where such information is not obtainable, we will refer inquiries to the original source of the article. Write to National Can Corp., 110 E. 42nd Street, New York City. Please mention the number at end of article—also name of the magazine you saw it in.

(Advertisement)

Magnesite, cal., dom., bgs., pwd., f.o.b. mines, Calif.	ton	58.75	—
l.c.l., dlvd., N. Y.	ton	84.00	90.00
dead-burned, dom.,[1] bulk, c.l., f.o.b. Chewelah, Wash.	ton	22.00	40.50
Malva flowers, black, bls.	lb.	1.75	2.00
blue, bls.	lb.	2.25	2.50
Leaves, bls.	lb.	.40	.55
Manaca root, bls.	lb.	.24	.25
Mandrake root, bls.	lb.	.18	.19
Manganese acetate, dms.	lb.	.25½	—
Arsenate,[6] bgs.	lb.	.12	.12½
Borate, tech., bbls.	lb.	.15	.17
Carbonate, bbls.	lb.	.19	—
Chloride, bbls.	lb.	.14	Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works	ton	74.00	—
5-15 tons, works	ton	77.00	—
½, 4 tons, works	ton	82.00	—
Caucasian, 85-90%, bbls., c.l., works	ton	74.00	—
l.c.l., 5 tons, works	ton	77.00	—
smaller lots, works	ton	82.00	—
burlap bgs., c.l., works	ton	71.75	—
l.c.l., 5 tons, works	ton	74.75	—
smaller lots, works	ton	79.75	—
paper bgs., c.l., works	ton	70.00	—
l.c.l., 5 tons, works	ton	73.00	—
Glycerophosphate, bbls., bgs., 1,000-lb. lots	lb.	3.05	3.14
100-lb. lots	lb.	3.15	3.25
cns., 25 lbs.	lb.	3.27	3.36
Hydrate, bbls., dlvd.	lb.	.82	—
Iodide, bots., 5 lbs.	lb.	5.70	—
jars, 25 lbs.	lb.	5.55	—
Manganese, linoleate, liquid, 4%, dms.	lb.	.20	—
solid, precip., 8.2%, bbls.	lb.	.22	—
Resinate, fused, 5½%, bbls.	lb.	.09	.10½
precip., dms.	lb.	.14½	.15½
Sulphate, anhyd., tons lots, works	lb.	.11½	—
single dms., works	lb.	.11½	—
feed grade, 77-80%, c.l.	lb.	.05½	—
l.c.l.	lb.	.06½	—
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd. eastern points	ton	59.50	—
l.c.l., bgs., same basis or f.o.b. Balto. and Cincinnati	ton	66.50	—
industrial grade, 50% $MnSO_4$, c.l.	lb.	.05	—
l.c.l.	lb.	.05½	—
Mangrove bark, if, and when, available, bgs.	ton	60.00	—
Manna flake, large, cs.	lb.	No stocks	
small, cs.	lb.	3.40	3.45
Mannitol,[6] com'l grade, bbls., ton lots, works	lb.	.35	—
smaller lots, works	lb.	.40	—
reagent grade, 50-lb. cs., or multiples, works	lb.	.35	—
Marjoram,[2] Chilean, bls.	lb.	.45	.46
in transit, bls.	lb.	.39	.40
French, bls.	lb.	.84	1.15
Tunisian, bls.	lb.	.60	.65
Matico leaves, bls.	lb.	.22	.29
Menthol, natural, cs.	lb.	14.00	Nom.
synthetic, USP, cs.	lb.	13.00	—
technical, 60-lb. cs.	lb.	6.00	—
smaller lots	lb.	6.50	—
Menthyl salicylate, tins, 100-lb. lots	lb.	3.00	—
25-lb. lots	lb.	3.10	—
Mercurial ointment, USP, mild, 10%, 50-lb. tub	lb.	.70	—
25-lb. tub	lb.	.72	—
30%, pails, 50 lbs.	lb.	1.44	—
25 lbs.	lb.	1.46	—
50%, pails, 50 lbs.	lb.	2.09	—
25 lbs.	lb.	2.11	—
Mercury (see Quicksilver).			
Ammoniated (see White precipitate).			
Bichloride[2] (see Corrosive sublimate).			
Biniodide,[2] 5-lb. bots.	lb.	3.92	—
100-lb. fib. dms.	lb.	2.89	—
25-lb. jars	lb.	2.91	—
Chloride[2] (see Calomel).			
Cyanide,[2] cryst.	lb.	4.00	4.05
powd.	lb.	4.00	4.05
Iodide,[2] red, NF, 5-lb. lots	lb.	4.66	4.71
100-lb. fib. dms.	lb.	4.60	—
yellow, 5-lb. bots.	lb.	4.76	4.81
fib. dms., 100 lbs.	lb.	4.70	—
Nitrate ointment (see Citrine ointment).			
tech. (see Red, mercury oxide).			
Oxide,[2] yellow, tech. (see Yellow, mercury oxide).			
NF VI, fib. dms., 50 lbs. or more	lb.	3.38	—
red,[2] NF (see Red precipitate).			
Mercury and chalk,[2] 5-lb. ctns.	lb.	1.93	1.98
dms.	lb.	1.86	1.88
Mesityl oxide, dms., c.l., dlvd.	lb.	.11½	—
l.c.l., dlvd.	lb.	.12	—
tanks	lb.	.10½	—
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminums, 5½x5½ in.	pkg.	2.50	—
composition, 5½x5½ in.	pkg.	3.00	—
gold XX, deep, 23K, 3⅜x3⅜ in.	pkg.	15.00	—
silver, 5½x5½ in.	pkg.	3.00	—
Metanitroparatoluidin, bbls.	lb.	1.05	1.10
Metaphenylenediamine,[6] kgs.	lb.	.65	—
Metatoluylenediamine,[6] kgs.	lb.	.70	—
Methanol,[3,6] natural, producer group A, all grades, E. of Miss. R., dms., c.l.	gal.	.66	—
l.c.l.	gal.	.76	—
tanks	gal.	.60	—
Methanol prices W. of Miss. R. are 3c. per gal. higher.			
pure, group B, tanks, frt. alld., Zone 1.	gal.	.50	—
Zone 2.	gal.	.52	—
Zone 3.	gal.	.54	—
Zone 4.	gal.	.54½	—
dms., c.l., Zone 1.	gal.	.55½	—
Zone 2.	gal.	.57½	—
Zone 3.	gal.	.59½	—
Zone 4.	gal.	.61½	—
l.c.l., Zone 1.	gal.	.56½	—
Zone 2.	gal.	.75½	—
Zone 3.	gal.	.62½	—
Zone 4.	gal.	.75½	—
Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; Zone 2, Ala., Ark., Cal., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Las A., San Fran., Seattle, Wash., Portland, Ore.; Zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.			
Methanol, synthetic,[3,6] pure, dms., c.l., Zone 1, frt. alld.	gal.	.34½	—
2, frt. alld. or dlvd.	gal.	.36½	—
3, frt. alld.	gal.	.38½	—
4, frt. alld.	gal.	.40½	—

Methanol, synth., pure, dms., l.c.l., Zone 1, frt. alld. or dlvd..gal. .37 - —
2, frt. alld.....gal. .42½ - —
3, dlvd., S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd..gal. .53½ - .56½
tanks, Zone 1, frt. alld...gal. .28 - —
2, frt. alld.....gal. .30 - —
3, frt. alld.....gal. .32 - —
4, frt. alld.....gal. .33½ - —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N.Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, C.P., 97-99%, dms., c.l., E. of Miss. R. lb. .10¼ - .12
W. of Miss. R.....lb. .11½ - .13
Miss. R..lb. .11 - .14
l.c.l., dms., dlvd. E. of W. of Miss. R.....lb. .13 - .13½
tanks, dlvd. E. of Miss. R. lb. .09¼ - —
W. of Miss. R.....lb. .10⅞ - —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .08 - .09
l.c.l., dlvd. E. of Miss. R., lb. .07¼ - .11
dlvd. W. of Miss. R..lb. .07½ - .10½
tanks, dlvd. E. of Miss. R., lb. .06 - —
W. of Miss. R. .....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½ - —

Methyl, acetone, natural, dms., E. of Rockies, frt. alld., c.l., gal. .66 - —
l.c.l., same basis.....gal. .76 - —
tanks, same basis.....gal. .60 - —

Methyl acetone prices W. of Miss. R. are 3c. per gal. higher.

Synthetic, tanks, Zone 1..gal. .43 - —
Zone 2.....gal. .44½ - —
Zone 3.....gal. .45½ - —
Zone 4.....gal. .45½ - —
dms., c.l., Zone 1.....gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½ - —
Zone 4.....gal. .54½ - —
l.c.l., Zone 1.....gal. .54½ - —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½ - —

Alcohol (see Methanol).
Anthranilate, 100-lb. lots....lb. 2.20 - 2.50
25-lb. lots, bots.....lb. 2.35 - 2.65
Benzoate, cns., 25 lbs.....lb. .70 - 1.10
Bromide, cns.....lb. .75 - .80
cyls.....lb. .65 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 400 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —

Methyl chloride, refrigeration, tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd..lb. .70 - —
Iodide, bots.....lb. 4.00 - 6.15
cns.....lb. .37 - .40
Salicylate, dms.....lb. .35 - .37

Methylamyl ketone, dms., works. l.c.l..lb. .26 - —
smaller containers, same basis. lb. .28 - —

Methylcellulose, specl, vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
100 to 1,999 lbs., frt. alld.lb. .65 - —
1 to 99 lbs., works.....lb. .70 - —
std. vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
100 to 1,999 lbs., frt. alld.lb. .58 - —
1 to 99 lbs., works.....lb. .63 - —

Methylcyclohexane, 98-100%, dms., works..lb. .16 - —

Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —

Methylcyclohexanone, 98-100%, dms., works..lb. .32 - —

Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, refrigeration, dms., works..lb. .18 - .22
solvent, dms., works.....lb. .12 - .15

Methylethyl ketone, dms., tech., frt. pd. E. of Rocky Mts..lb. .09 - —
l.c.l., same terms.....lb. .09½ - —
tanks, same terms.....lb. .08 - —

Methylhexyl ketone, dms., tech., works..lb. .60 - —

Methylisobutyl ketone, dms., c.l., dlvd..lb. .12½ - —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½ - —

Methylnaphthyl ketone, dom., cryst., cns..lb. 3.00 - 3.10

Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —

Mica, dry grd., amber, No. 4 quality, c.l..ton.30.00 - —
l.c.l., 5,000 lbs.....ton.40.00 - —
1,000 lbs.....lb. .02 - —
500 lbs.....lb. .02½ - —
100 lbs.....lb. .03 - —
refined, c.l.....ton.20.00 - —
l.c.l., 5,000 lbs.....ton.30.00 - —
paint, c.l.....ton.55.00 - —
l.c.l., 5,000 lbs.....ton.65.00 - —
white, No. 1 quality, c.l..ton.35.00 - —
l.c.l., 5,000 lbs.....ton.45.00 - —
1,000 lbs.....lb. .02½ - —
500 lbs.....lb. .03 - —
roofing, c.l.....ton.29.00 - —
l.c.l., 5,000 lbs.....ton.39.00 - —
paint, c.l.....ton.60.00 - —
l.c.l., 5,000 lbs.....ton.70.00 - —
wet grd., paint or lacquer, c.l., lb. .04½ - —
l.c.l.....lb. .05 - —
paper, wall, or coated, c.l.lb. .04½ - —
l.c.l.....lb. .05 - —
rubber, c.l.....lb. .04½ - —
l.c.l.....lb. .04¾ - —
biotite, c.l.....lb. .03¾ - —
l.c.l.....lb. .04¾ - —

Mica, dry grd., is quoted in bags at the works; wet grd. mica in car-load lots is frt. alld. E., and in less than car-load lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per pound higher west of the Mississippi.

Milk powder, skimmed,[1] roller, Zone A, bulk, and quantity, bbls...lb. .13½ - —
Zone B, same basis....lb. .13¾ - —
spray, roller, Zone A, same basis..lb. .15½ - —
Zone B, same basis.....lb. .15¾ - —

Milk powder, skimmed, when sold by manufacturers to the U. S. Government or any agency thereof, is 1c. less than the above prices on skimmed milk powder as sold to any consumer other than the U. S. Government or any agency thereof. Zone A is all states not included in Zone B. Zone B is Penna., N. Y., Md., Del., N. J., Conn., Mass., R. I., N. H., Vt., Me., and the Dist. of Columbia.

Milk powder, whole, roller, bbls., c.l..lb. .29 - —
l.c.l.....lb. .29½ - —
spray, bbls., c.l.....lb. .30 - —
l.c.l.....lb. .30½ - —
Milk sugar, bbls., c.l.....lb. .25 - —
l.c.l., 10 bbls. or over....lb. .26 - —
less than 10 bbls.....lb. .27 - —
Millet seed, yellow, bgs.....lb. .03½ - .04
early fortune, bgs.....lb. .03½ - .04
hulled, bgs.....lb. .07 - .12

Mineral spirits (see Petroleum thinners and V. M. & P. naphtha).

Molasses, blackstrap, tanks, f.o.b. works, Area 1..gal. .18 - —
Area 2, same basis....gal. .18½ - —
Area 3, same basis....ton.20.00 - —
Area 4, same basis....ton.24.20 - —
Area 5, same basis....ton.33.20 - —

Note—Area No. 1 is La., Fla., Tex. and Ga. Area No. 2 is N.Y., Penn., Md., Mass. and N.J. Area No. 3 is Ore., Wash. and Calif. Area No. 4 is Id., Utah, Mont., Colo., Wyo., Kan., S.D. and Neb., excluding Grand Island. Area No. 5 is Ind., Mich., Ohio, Wis., Minn., Ia. and Grand Island, Neb.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[6] kgs., 99%, powd..lb. 2.60 - 3.00
trioxide,[6] pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —

Monoamylamine, dms., basis 100%, c.l., works..lb. .61 - —
l.c.l., works.....lb. .64 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., works..lb. .48 - —
l.c.l., works.....lb. .51 - —
Monoethanolamine,[5] dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks.....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .43 - —
l.c.l., works.....lb. .46 - —
Monochlorobenzene, dms., c.l..lb. .05½ - —
55 gals.....lb. .07 - —
10 gals.....lb. .08 - —
5 gals.....lb. .09 - —
tanks.....lb. .05 - —
Monoethylaniline, dms.....lb. .47 - —
Monomethylamine, dms.....lb. .68 - —
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).

Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromide, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots., oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cns.....lb. .12 - .13
flowers, cns.....lb. 1.75 - 2.10
Musk, nat., Tonquin, grains, bots., oz.37.00 -40.00
synth, ambrette, cns., 100 lbs. or more..lb. 4.00 - 9.00
25 lbs. to 75 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more, lb. 4.15 - 9.25
25 lbs. to 75 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more..lb. 1.40 - 2.50
25 lbs. to 75 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Musk root, bls.....lb. 2.25 - 2.80
Mustard seed, California, brown, good, bgs..lb. .14 - .14½
yellow, bgs.....lb. .08 - .08¼
Montana, yellow, bgs.....lb. .05¾ - .06¼
Washington, yellow, bgs.....lb. .06 - .06¼
Myrobalans, J1, bgs., f.a.s...ton.65.00 - —
J2, bgs., f.a.s.....ton.60.00 - —
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb No prices

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N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude,[4] dom., 74 deg., tanks, works..100 lbs. 2.75 - —
78 deg., tanks, works..100 lbs. 3.00 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..100 lbs. .05 - —
50-lb. cs., same basis....lb. .06¼- —
pkgs. (16-oz.), same basis.lb. .06½- —
(12-oz.), same basis...pkg. .07 - —
Neocinchophen, USP., 100-lb. lots, dms..lb. 7.00 - —
50-lb. lots.....lb. 7.05 - —
25-lb. lots.....lb. 7.10 - —
Nerolin, cryst., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel,[4] carbonate, bbls.....lb. .36 - .36¼
Chloride,[4] bbls.....lb. .18 - .20
Cyanide,[4] 100 lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide,[4] black, bbls.....lb. .35 - .38
Salt,[4] bbls.....lb. .13 - .13¼
Nicotine,[2] sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .85½- —
Nicotinamide, 25 to 100-lb. lots, bots..lb. 7.00 - —
5-lb. lots, bots.....lb. 7.10 - —
Niger seed, bgs.....lb. .14½- .15
Nikethamide .....lb.18.00 -19.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, ester-soluble,[4] 20-35, ¼, ½ sec., bbls., dry weight, l.c.l., works..lb. .26 - —
5-8, 15-20 sec. and higher, bbls., dry weight, l.c.l., works..lb. .25 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitroethane, dms., l.c.l., works.lb. .25 - —
Nitrogenous fertilizer material, dom., 16% ammon., bulk, f.o.b. Carrolville, Wis..unit-ton. 2.00 Nom.
Chemical, Ill., Nov.-Dec. shipments..unit-ton. 2.90 - —
Norfolk, Va.....unit-ton. No prices
Nitromethane, lms., l.c.l., wks.lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, dms., l.c.l., works, lb. .25 - —
II, dms., same basis.....lb. .25 - —
Nutgalls,[4] Aleppo, bgs.....lb. No price
Chinese, whole.....lb. .43 Nom.
Extract (see Gall extract).
Nutmegs,[1] E. I., 80's, bgs....lb. .50 - .51
110's, bgs.....lb. .47 - .48
West Indian, bgs.....lb. .35 - .36
Nux vomica, bls.....lb. .09 - .11
powd., bbls., bxs.....lb. .12 - 16

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .0785- —
tanks .....lb. .0325- —
Ocher (see Yellow)
Octane,[1] 100-140° C., industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G.3.....gal. .29 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde)
natural, USP, bots.....lb. 5.50 - 6.00
sweet, true, exp., dms., cns., lb. 1.70 - 2.00
Amber, crude, cns.....lb. No stocks
refd., cns.....lb. No stocks
Angelica, root, bots.....lb.140.00 - —
seed, bots.....lb.120.00 -140.00
Anilin (see A).
Anise, USP, cns., dms.....lb. 2.75 - 3.25
Apricot, kernel, cns.....lb. .38 - .55
Avocado, cns., dms.....lb. .80 - .95
Babassu,[1,3] tanks.....lb. .1110- —
Bay, W. I., 50-55% phenols, cns..lb. 1.55 - 1.85
Porto Rican, 55-60% phenols, cns..lb. 1.75 - 1.90
Bergamot, artif., cns.....lb. 2.25 - 9.85
natural, Italian, coopers...lb. 22.00 -35.00
Brazilian, cns.....lb.10.00 -10.25
Birch (see Oil, sweet, birch).
Birchtar, crude.....lb. 2.00 - 2.25
Bois de Rose, Brazil, cns....lb. 4.25 - 5.75
rectified, cns.....lb. No stocks
Bois de Rose, Brazil, cns....lb. 4.25 - 5.75
Mexican (see Linaloe, wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. 1.90 - 2.25
free from metal, cns.....lb. 2.05 - 2.10
redistilled, cns.....lb. 2.20 - 2.30
Calamus, cns.....lb. No stocks
Camphor, sassafrassy, cns....lb. .45 - .55
dms. .....lb. No prices
white, cns.....lb. .30 - .48
dms. .....lb. No prices
dom., tech.....lb. .15 - —
Cananga, native, cns.....lb.13.00 -17.00
rectified, cns.....lb.17.50 -18.00
Capsicum (oleoresin), USP VIII, cns..lb. 3.75 - 5.50
Caraway, USP, cns.....lb.14.00 -17.00
Cardamom, bots.....lb.24.00 -34.00
Cassia, USP, cns.....lb.10.25 -12.00
Castor,[1,6] blown, dms., returnable, c.l..lb. .15¼- —
l.c.l. .....lb. .16 - —
cold pressed, USP, bbls., c.l., lb. .14 - —
l.c.l. .....lb. .14½- —
cns. (1-gal.), l.c.l.....lb. .17¾- —
cns. (1-gal.), l.c.l.....lb. .15¾- —
dms. (returnable), c.l....lb. .13¾- —
l.c.l. .....lb. .14½- —
tanks .....lb. .13 - —
dehydrated, dms.....lb. .1860- —
l.c.l. .....lb. .1900- —
extracted, No. 3, tech., bbls., c.l..lb. .13¾- —
l.c.l. .....lb. .14¼- —
dms. (returnable), c.l....lb. .13½- —
l.c.l. .....lb. .14¼- —
tanks .....lb. .12¾- —
sulphonated, 50% (43% fat), dms., c.l..lb. .10 - —
l.c.l. .....lb. .11 - —
75% (63% fat), dms., c.l., lb. .12¼- —
l.c.l. .....lb. .13¼- —
80% (68% fat), dms., c.l..lb. .12½- —
l.c.l. .....lb. .13½- —
Cedarleaf, USP, cns.....lb. 1.25 - 1.50
technical, cns.....lb. .90 - 1.10
Cedarwood, Southern, dms...lb. .65 - .65
Celery, bots.....lb.25.00 -30.00
Chaulmoogra, USP, cns.....lb. .68 - —
Chinawood,[1,5] dms.....lb. .39 - —
tanks .....lb. .38¾- —
Cinnamon, bark oil, bots....lb.25.00 -40.00
leaf oil, dms.....lb. 2.25 - —
Citronella, Ceylon, cns.....lb. 1.25 - 1.50
Java, cns.....lb. 2.75 - 3.00
Clove, makers, USP, cns....lb. 1.65 - 1.70
Oil, coconut,[1,3] Manila, crude, bulk, c.i.f..lb. .0835- —
edible, ex tax.....lb. .0985- —
Cod,[5] Newf., dms.....gal. .90 - —
tanks .....gal. .85 - —
Codliver,[5] med., USP, 30-gal. bbls. or dms..bbl.80.00 -88.00
Coriander, bots.....lb.22.50 -38.00
Corn,[1,3] crude, tanks, works.lb. .12¾- —
refd., bbls.....lb. .15½ Nom
Cottonseed,[3] cooking, bbls....lb. .16¾- —
salad, bbls.....lb. .17 - —
Creosote (see C).
Croton, NF, cns.....lb. 3.00 - 4.00
Cubeb, USP, cns.....lb. 4.50 - 6.50
Crude (see Petroleum, crude)
Cumin, bots.....lb. 8.00 -10.00
Cypress, bots.....lb.12.00 - —
Degras (see D).
Dillseed, bots.....lb. 6.25 - 8.00
weed, bots.....lb. 5.75 - 6.00
Dip (see D).
Erigeron, cns.....lb. 2.10 - 3.85
Eucalyptus, 70-75%, cns.....lb. .94 - .98
80-90%, cns.....lb. 1.00 - 1.14
Fennel, sweet, cns.....lb. 3.25 - 4.50
Fishliver,[1,5] 6,000 to under 60,000 units per gram—per million units. .10 - —
60,000 to under 200,000 units per gram—per million units. .15 - —
200,000 or more units per gram—per million units. .25 - —
Fuel (see Petroleum, fuel oil).
Gaultheria (see Oil, wintergreen leaf)
Geranium, Algerian, rose, cns..lb.14.00 -18.00
Bourbon, cns.....lb.15.00 -20.00
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.85 - 2.05
Grapeseed, dom., dms.....lb. .35 - .36
imported, dms.....lb. .20 - .25
Ginger, dist., bots.....lb.20.00 -24.00
Guaiac wood, concrete, bots..lb. 4.50 - 4.75
Hemlock, cns.....lb. 1.15 - 1.35
Oil, juniper berry, cns.....lb. 9.00 -16.00
wood, tech., cns.....lb. 1.50 - 1.55
Juniper, tar, USP, dms.....lb. 1.25 - 1.35
Lard,[3] common, 1, bbls.....lb. .14 - —
extra, No. 1, bbls.....lb. .14½- —
winter, strained, bbls.....lb. .15 - —
prime, burning, bbls.....lb. .16 - —
prime, ined., bbls.....lb. .15½- —
Laurel, bots.....lb. 5.00 Nom.
Lavandin, cns., 25 lbs.....lb. 5.75 - 7.00
Lavender, flower, French, cns..
z .....lb. 8.25 -16.00
garden, cns.....lb. .55 - .75
spike, Spanish, tech., cns..lb. 3.60 - 3.85
dms. .....lb. 3.50 - 6.75
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppera, cns..... No stocks
Terpeneless .....lb.40.00 -55.00
Uruguay, to arrive, 10 kilo cans..lb. 6.00 - 6.25
Lemongrass, cns., dms.....lb. 1.30 - 1.90
Lime, dist., Mex., cns.....lb. 7.00 - 7.70
Jamaica, cns.....lb. 9.00 -11.50
expressed, Jamaica, cns.....lb.11.00 -13.50
Lignaloe, wood, Mexican, cns...
.....lb. 3.25 - 3.50
Brazilian (see Bois de rose).
Linseed, raw, dms., c.l.....lb. .1380- .1400
l.c.l. .....lb. .1400- .1420
5 to 9.....lb. .1440- .1460
less than 5.....lb. .1460- .1480
tankcar .....lb. .1340- .1360
tank wagon.....lb. .1360 -.1380
Linseed oil drum shipments, plus $6 deposit per drum.
Boiled linseed oil, .004 over raw.
Lubricating,[1] at refinery, ex tax, California, neutrals, pale, 200-600 vis., 2¾-4, tanks..gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks..gal. .07¼- .11½
Group 3, bright stock, 150-160 vis., 0-25 pour, tanks, gal. .22½- .23
Oil, lubricating, at refinery, ex tax, Group 3, neutral, 150-300 vis., 3, 0-10 pour, tanks, gal. .14½- .18
200-280 vis., 3, 15-25 pour, tanks..gal. .15 - .17½
Pennsylvania,[2] bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks, gal. .24 - .30
cylinder oils, 600-630 flash, tanks..gal. .16 - .17
600-650 steam ref'd, tanks..gal. .15 - .15½
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks..gal. .20 - .22
200 vis., 0-25 pour, tanks..gal. .22 - .24
Mace, dist. cns., dms.....gal. 4.50 - 6.50
Mandarin, Brazilian, cns.....lb. 6.75 - 9.00
Italian, coppers.....lb.15.10 - —
Menhaden,[1,5] crude, tanks, Balto..lb. .0880- —
ref'd, alkali, ret. dms.....lb. .1270- .1290
kettle-bodied, ret. dms....lb. .1370- .1390
light-pressed, ret. dms....lb. .1170- .1190
tanks .....lb. .100- .1100
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns..lb. 1.60 - 1.70
Seed,[1,5] exp., dms.....lb. .13½- —
Neatsfoot,[4] 15° c.t., bbls....gal. 1.90 - —
20°, bbls.....gal. 1.80 - —
30°, bbls.....gal. 1.60 - —
pure, bbls.....lb. .18¾ Nom.
Neroli, bots.....lb.300.00 -375.00
Nutmeg, dist., cns., dms.....lb. 4.50 - 6.50
Olticica,[1,5] liquid, dms.....lb. .25 - —
solid, dms.....lb. .23 - —
Oleo,[5] 1, bbls.....lb. .13¾ Nom.
Olibanum, bots.....lb. 4.50 - 5.00
Olive,[5] denat., dms.....gal. 3.50 - 4.00
edible, Calif., dms.....lb. 4.35 - 4.50
imported, dms.....lb. 4.35 - 4.60
foots, dms.....lb. .19 Nom.

CYCLAMAL

The Accepted Basis

For Floral Perfumes

(Lily of the Valley, Lilac, etc.)

A single chemical having the properties most desired by the perfumer.

Great Strength

(5 times stronger than Hydroxy Citronellal with which it blends well.) Result: Economy.

PERSISTENCE IN ODOR . FREEDOM FROM DISCOLORATION
FREEDOM FROM IRRITATION . . CYCLAMAL IS OF 100% PURITY

INDOL

One of the most important raw materials for the perfumer is Indol. Its great power makes it extremely economical to use, not only in the manufacture of Jasmin odors but in many other Floral Compositions as well.

In the mind of the average user, its drawback has been its tendency to pigment products in which it is used.

In proper combination, this difficulty is overcome for all practical purposes.

Indol is now readily available. It is manufactured in this country and merits much wider use than it has at present.

For the sake of economy, dependability and the fine results to be obtained with Indol, send for a sample and suggestions as to its use.

Aromatics Division

GENERAL DRUG COMPANY

644 Pacific St., Brooklyn, N. Y.

9 S. CLINTON STREET, CHICAGO 1019 ELLIOTT STREET, W., WINDSOR, ONT.

Oil, olive, sulphonated, 50% (40% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
35% (68% fat), dms., c.l. lb. No prices
l.c.l. .....lb. No prices
80% (68% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
Orange, sweet, dist., cs.....lb. 1.00 - —
expressed, Calif., cns.....lb. 2.25 - —
Argentine, 10-kilo cns....lb. 3.00 - 3.25
Brazilian, cns.....lb. 1.45 - 1.65
Florida, cns., dms.....lb. 1.50 - 1.55
Messina, USP, coppers..lb. No stocks
Mexican, sponge-pressed, cns. lb. 5.50 - 5.75
West Indian, cns.....lb. 6.00 - 6.25
sesquiterpeneless, bots....lb.195.00 - —
Origanum, Spanish, cs.....lb. 2.40 - 3.25
Palmarosa, cns.....lb. 4.85 - 6.25
Palm,[1,5] Niger, bulk, c.i.f....lb. .0825- —
Paraffin,[1] 320° flash, 60-70 vis., tanks, G.3..gal. .05¾- —
350° flash, 70-80@100 vis., 0/10 pour..gal. .08 - —
100-100 vis., 0/10 pour....gal. .08½- —
100-100 vis., 10/25 pour...gal. .08¾- —
80-85 vis., bbls., extra, ind. refy..gal. .12 - —
100-105 vis., bbls., extra, ind. refy..gal. .14 - —
300° flash, 100-110 vis., tanks, G.3..gal. .05¾- —
Patchouli, cns.....lb. 6.45 - 9.00
Peanut,[1,5] crude, tanks, mill.lb. .13 - —
refd., edible, bbls.....lb. .16½ Nom.
Pennyroyal, dom., cns.....lb. 3.00 - 3.10
import, cns.....lb. 2.50 - 3.00
Peppermint, natural, cns., dms. 5.50 - 5.75
redist., USP, cns., dms....lb. 5.80 - 6.95
Perilla,[1,5] crude, dms.....lb. .2450- —
Petitgrain, Paraguay, cns...lb. 1.75 - 2.00
dms. .....lb. 1.70 - 1.95
Pimento berry, cns.....lb. 8.00 - 8.75
leaf, cns.....lb. 4.75 - 5.25
Pine, tanks, works.....gal. .55 - —
Pinesoedle, Siberian, cns....lb. 3.00 - 3.25
Putty,[5] bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
dms., c.l., Whiting, Ind.gal. *.34 - —
Boston, Providence, same basis..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
* Extra for bbls. but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.
Rapeseed,[1,5] denat., bulk, c.i.f. lb. .1150- —
Red,[5] dms., dlvd.....lb. .12¾- .13¾
tanks, dlvd.....lb. .12 - —
Rose, natural, coppers.....os.15.00 -35.00
Rosemary, Spanish, cns....lb. 1.60 - 2.35
dms. .....lb. 1.50 - 2.25
Rosin, tar rectified, dms....gal. .58 - —
2d rectified, dms.....gal. .60 - —
3d rectified, dms.....gal. .64 - —
Rue, bots.....lb. 7.50 -13.50
Sage, Spanish, cns.....lb. 3.50 - 3.75
Sandalwood, domestic, distilled, NF, cns...lb. 6.00 - 6.10
Mysore, cns., case lots....lb. 7.00 - 7.25
Sardine, crude, tanks, Pac. Coast..lb. .0690- —
ref'd, alkali, ref. dms.....lb. .1270- .1290
kettle-bodied, ref. dms...lb. .1370- .1390
light-pressed, ref. dms...lb. .1170- .1190
tanks .....lb. .1090- .1100
Sassafras, artif., cns.....lb. 2.00 - 2.25
natural, dom., cns., dms...lb. 1.95 - 2.40
Savin, cns.....lb.16.00 -25.00
Savory, cns.....lb. 8.00 - 8.25
Sesame, tanks, Coast.....lb. .15 Nom.
Shingle stain, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb.12.75 - —
Soybean,[1,5] crude, tanks, mill. lb. .1175- —
clarif., dms., spot.....lb. .1350- .1540
tanks .....lb. .1250- —
refd., varnish, dms.....lb. .1380- .1400
tanks .....lb. .1340- —
Spearmint, dms.....lb. 3.00 - 3.50
Sperm,[6] bleach, 38°, dms....lb. .1301- —
45°, dms.....lb. .1278- —
natural, dms.....lb. .1223- —
Spruce, cns., dms.....lb. 1.15 - 1.35
Sunflower,[1,5] tanks.....lb. .1430- —
Sweet birch, North cns....lb. 4.75 - 6.00
South, cns.....lb. 2.50 - 4.75
Tall, crude, dms., c.l., works, ton.55.00 - —
l.c.l., works.....ton.60.00 -65.00
tanks, works.....ton.40.00 - —
refined, dms., c.l., works...lb. .06 - —
l.c.l., works.....lb. .06½- —
tanks, works.....lb. .04½- —
Tallow,[5] acidless, bbls.....lb. .14¾- —
tanks .....lb. .13¾- —
Tansy, cns.....lb. 3.00 - 3.90
Tar, pine, com'l, dms., c.l., dlvd. E. cities..gal. .33 - —
l.c.l., E. cities.....gal. .30 - —
tanks, dlvd. E. cities..gal. .24½- —
rectified, USP, bbls., l.c.l., dlvd. E. cities..gal. .60 - —
Tar acid (see T).
Teaseed,[1] crude, dms.....lb. .29 Nom.
refd., dms.....lb. .32 Nom.
Thyme, NF, red, cns.....lb. 2.50 - 4.00
white, cns.....lb. 2.65 - 4.75
Tung (see Oil, chinawood).
Turkey red (see Castor, sulphonated).
Turpentine (see T).
Turtle, cns.....gal. 8.50 - —
Vetiver, Jaba.....lb.25.00 -40.00
Whale, ref., natural, dms....lb. .1070- —
Winter, bleach, dms.....lb. .1110- —
Wheat germ, 100-gal. dms., dlvd..gal.10.00 - —
25-gal. dms.....gal.12.50 - —
10-gal. dms.....gal.13.50 - —
5-gal. dms.....gal.14.00 - —
1-gal. dms.....gal.15.00 - —
White, mineral, dom., f.o.b. N. Y., tech., 50-65 vis., returnable, dms., c.l...gal. .36 - —
l.c.l. .....gal. .42 - .45
65/75 vis., c.l.....gal. .36 - —
l.c.l. .....gal. .42 - .45
USP, 50/90 vis., dms., c.l..gal. .39 - —
l.c.l. .....gal. .45 - .48
95/105 vis., dms., c.l., gal. .44½- —
l.c.l. .....gal. .50½- .53½
125/135 vis., dms., c.l., gal. .49 - —
l.c.l. .....gal. .55 - .58
145/155 vis., dms., c.l., gal. .51 - —
l.c.l. .....gal. .57 - .60
175/185 vis., c.l.....gal. .54½- —
l.c.l. .....gal. .60½- .63½
200/210 vis., c.l.....gal. .58 - —
l.c.l. .....gal. .64 - .67
320/330 vis., c.l.....gal. .65 - —
l.c.l. .....gal. .71 - .74
335/345 vis., c.l.....gal. .66 - —
l.c.l. .....gal. .72 - .75
f.o.b. San Francisco, 55 vis., returnable bbls., c.l...gal. .40 - —
5 bbls.....gal. .45 - —
85 vis., c.l.....gal. .40 - —
5 bbls.....gal. .45 - —

Oil, white, mineral, dom., USP, for San Francisco, 100 vis., c.l..gal. .49½- —
145 vis., c.l.....gal. .57 - —
5 bbls.....gal. .62 - —
180 vis., c.l.....gal. .60½- —
5 bbls.....gal. .65½- —
340 vis., c.l.....gal. .72 - —
5 bbls.....gal. .77 - —
Russian .....gal. No prices
Wintergreen, natural, North cns...lb. 5.50 - 8.50
South, cns.....lb. 4.00 - 5.25
synth. (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.75 - 3.00
Wormwood, cns.....lb. 4.25 - 5.00
Ylang-ylang, Bourb., bots., cns., lb.20.00 -28.00
Manila, bots.....lb.40.00 -45.00
Olivine, aggregate, c.l., mines., ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
325 mesh, c.l., mines.....ton.20.00 - —
200 mesh, c.l., mines.....ton.17.00 - —
100 mesh, c.l., mines.....ton.15.00 - —
20 mesh to dust.....ton..12.00 - —
Opium gum, USP, 50-lb. lots, cns..lb.13.00 - —
25-lb. lots, cns.....lb.13.25 - —
5-lb. lots, cns.....lb.13.50 - —
1-lb. lots, cns.....lb.13.65 - —
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, Lake, Persian, bbls...lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .12¼- —
dlvd. Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .12¾- —
5 tons, dlvd., Colo., Mont., N. M., Wyo..lb. .12½- —
dlvd. other points...lb. .12 - —
smaller lots, dlvd., Ala., etc., lb. .12¾- —
Ariz., etc.....lb. .13¼- —
Colo., Mont., N.M., Wyo., lb. .13 - —
Other points.....lb. .12½- —
French, Tours, casks, ex dock, lb. No prices
kgs., ex dock.....lb. No prices
Molybdate,[6] bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - 1.05
Orangeflower petals, cs.....lb. .45 - .75
Haitian, bgs.....lb. .09 - .10
sweet, bbls.....lb. .15 - .17
Orange peel, bitter, bbls.....lb. .30 - .31
Oregano, Mexican, bgs.....lb. .15½- .16
Orris root, whole.....lb. 1.00 - 1.25
powd., bbls., bxs.....lb. 1.10 - 1.35
Orthoamylphenol, l.c.l., dms., works..lb. .25 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloroanillin, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol,[6] 30.4° C. Min. M. P., dms., c.l., works..lb. .17½- .18
l.c.l., same basis.....lb. .18 - .18½
Orthocresol, 29° Min. M. P., dms., c.l., works..lb. .16½- .17
l.c.l., same basis.....lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - .07½
l.c.l., same basis.....lb. .07 - .08½
100-lb. tins., same basis...lb. .08 - .09
50-lb. tins, same basis..lb. .09 - .10
tanks, same basis.....lb. .05¼- .06½
Orthodichlorobenzene prices west of Rockies, lc. per lb. higher.
Orthonitroanillin, dms.....lb. .45 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol,cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .82 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bgs....lb. .23 - —
extract, bbls., No. 1.....lb. .11 - —
No. 2.....lb. .10 - —
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 4.00 - 4.25
Paprika,[1] Portuguese, extra fancy, bgs..lb. .38½ - .39½
good, bgs.....lb. .36 - .36½
Spanish, extra fancy, cs.....lb. .51 - .52
good, bgs.....lb. .42 - .43
medium, cs.....lb. .41 - .42
Paranitrophenol, dms.....lb. .32 - —
Paracymene, refd., same basis...gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .13
l.c.l. .....lb. .12½- .15
Paraffin,[1] crude scale and semi-refined, 122-124 A.M.P., slack bbls, or solid in 100-kilo bgs., 10,000 lbs., f.o.b. refinery,lb. .04¼- —
124-126 A.M.P., same basis.lb. .04½- —
126-128 A.M.P., same basis.lb. .04½- —
128-130 A.M.P., same basis.lb. .04¾- —
130-132 A.M.P., same basis.lb. .05 - —
132-134 A.M.P., same basis.lb. .05¼- —
134-136, A.M.P., same basis.lb. .05½- —
fully refd., 120-122 A.M.P., bbls., slabs, loose, same basis..lb. .05 - —
123-125, A.M.P., slabs, loose, same basis..lb. .0520- —
120-122 A.M.P., slabs, loose, same basis..lb. .0520- —
128-130 A.M.P., slabs, loose same basis..lb. .0560- —
130-132 A.M.P., slabs, loose, same basis..lb. .0585- —
131-133 A.M.P., slabs, loose, same basis..lb. .0585- —
133-135 A.M.P., slabs, loose, same basis..lb. .0615- —
135-137, A.M.P., slabs, loose, same basis..lb. .0640- —
138-140 A.M.P., slabs, loose, same basis..lb. .0715- —
141-143 A.M.P., slabs, loose, same basis..lb. .0765- —
143-145, A.M.P., slabs, loose, same basis..lb. .0810- —
145-150 A.M.P., slabs, cartons, same basis..lb. .0860- —
146-148 A.M.P., slabs, loose, same basis..lb. .0930- —
149-151 A.M.P., slabs, loose, same basis..lb. .10½- —
160-165 A.M.P., f.o.b. refinery, San Francisco, c.l..lb. .14 - —

Paraffin wax, crude and semi-refined, packed in 50-kilo bgs., is 10 points per lb. higher; prices on slabbed material are 20 points per lb. higher than on solid. Tankcar prices are 30 points less than barrel prices. Fully refined wax in bags is 40 points higher than slabs loose; fully refined wax in tankcars is 5 points lower than slabs loose prices.

Paraformaldehyde,[5,6] dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia or N.Y.C..lb. .28 - —
100 to 900 lbs., shipments, same basis..lb. .24 - —
Paranitrophenol, kgs.....lb. .35 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., works.lb. .12 - —
3 and 10-gal. dms., works..lb. .15 - —
USP, cns., cbys.....lb. .35 - .45
Paranisidine, dms.....lb. .75 - —
Paranitroanillin, kgs., works...lb. .45 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .21 - .27
Paris green, dealer, dms., kgs., c.l., f.o.b. wks., frt. alld..lb. .24 - .26
l.c.l., same basis.....lb. .25 - .27
Passion flower, herb, bls.....lb. .07 - .08
Patchouli leaves, bls.....lb. .35 - .40
Peanut meal, 45-47% protein, Southern Alabama-Georgia mills, February delivery.ton.35.00 - —
48-50%, same basis.....ton.37.00 - —
51% or more, same basis.ton.39.00 - —
Pectin, 200-lb. bbls.....lb. .80 - —
Peltitory root, bls.....lb. .65 - .70
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works., lb. .20 - .25
Pentaerythritol, C.P., bbls., dlvd. lb. .75 - —
less than barrel lots.....lb. 1.00 - —
tech., bbls., dlvd.....lb. .33½- .35½
less than barrel lots.....lb. .40 - —
Tetra acetate, bbls., dlvd....lb. 1.00 - —
less than barrel lots.....lb. 1.50 - —
Pentanes,[1] 28°-38° C., industrial grade, dms., c.l., G.3. gal. .11 - —
l.c.l., G.3.....gal. .19 - —
tanks, G.3.....gal. .06½- .07½
laboratory grade, dms., c.l., G.3..gal. .16 - —
l.c.l., G.3.....gal. .29 - —
10 gal., G.3.....gal. .55 - —
Pepper, black,[1] 15 tons, bgs...lb. .0670- .0675
50 to 100 bgs.....lb. .0705- .0715
White,[1] 15 tons, bgs.....lb. .1161- —
24 bgs.....lb. .1295- .1305
red, chillies, dom., Carolina longs, bgs..lb. .18¼- .18¾
Mombassa, bgs.....lb. .23 - .24
Sierra Leone, bgs.....lb. .22½- .23
Peppermint leaves, dom., bls...lb. .40 - .45
import, bls.....lb. .96 - 1.10
Perchlorethylene,[5] dms., c.l., works, frt. alld., zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock point..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Mol., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Aenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2, includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru balsam, dms.....lb. 1.25 - 1.30
Petrolatum, USP XII, amber, fiber, dms., non-returnable, c.l., f.o.b. New York..lb. .03¾- —
l.c.l., same basis.....lb. .04¾- —
extra amber, c.l., same basis. lb. .03¾- —
l.c.l., same basis.....lb. .04¾- —
cream, c.l., same basis....lb. .04¾- —
l.c.l., same basis.....lb. .06¼- —
yellow, soft, c.l., same basis. lb. .03¾- —
l.c.l., same basis.....lb. .04¾- —
white, USP XII, lily, c.l., same basis..lb. .05¼- —
l.c.l., same basis.....lb. .07 - —
snow, c.l., same basis....lb. .06¼- —
l.c.l., same basis.....lb. .07¾- —
soft, c.l., same basis.....lb. .05¼- —
l.c.l., same basis.....lb. .06¼- —
dark, bbls., returnable, c.l., Group 3..lb. .021 - —
golden topaz, c.l., same basis.lb. .052 - —
l.c.l., same basis.....lb. .036 - —
red veterinarian, c.l., same basis..lb. .024 - —
l.c.l., same basis.....lb. .028 - —
Petroleum, crude, bulk, at wells, California, gravity 18-18.9 and below..bbl. .80 - —
30-30.9 and above....bbl. 1.23 - —
Illinois basin.....bbl. 1.37 - —
Louisiana-Arkansas....bbl. .86 - 1.86
Oklahoma-Kansas, gravity 20-20.9 and below..bbl. .75 - —
40 and above.....bbl. 1.25 - —
Pennsylvania, Bradford-Allegany..bbl. 3.00 - —
Buckeye lines.....bbl. 2.55 - —
Corning .....bbl. 1.31 - —
Eureka lines.....bbl. 2.59 - —
N.Y. Transit lines..bbl. 3.00 - —
National Transit lines. bbl. 3.00 - —
S.W. Penn. lines....bbl. 2.65 - —
Texas, Conroe.....bbl. 1.43 - —
East .....bbl. 1.25 - —
Gulf Coast, gravity 19-19.9 and below..bbl. 1.06 - —
40 and above.....bbl. 1.48 - —
Pecos County.....bbl. .95 - —
West (and Lea County, N.M.), gravity 19-19.9 and below..bbl. .70 - —
gravity 40 and above. bbl. 1.12 - —
Wyoming, Lance Creek. bbl. 1.12 - —
Ether, laboratory grade, 30-60° C., c.l...lb. .18 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —
35-60° C., l.c.l.....gal. .29 - —
10 gals.....gal. .55 - —
40-75°C., c.l.....gal. .16 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —

Petroleum ether prices are spot quotations f.o.b. Group 3, for material packed in drums.

Fuel oil, at refinery:—
Oklahoma, No. 3, tanks..gal. .03½- —
No. 6.....bbl. .80 - .90
No. 14-16.....bbl. .95 - —
Group 3, No. 3, tanks..gal. .03½- —
No. 5.....bbl. .85 - —
No. 6.....bbl. .80 - .85
Kansas, No. 6.....bbl. .85 - .90
Arkansas, No. 3, tanks...gal. .03½- —
Pennsylvania, No. 1, tanks, gal. .05¾- .07¾
No. 2.....gal. .05¾- .07¾
No. 3.....gal. .05¾- .07¾

Petroleum, fuel oil, at refinery:—
California, heavy.....bbl. .80 - .90
light .....bbl. .85 - 1.00
diesel, tanks.....gal. .06 - .06
Bunker fuel oil, f.o.b. New York harbor..bbl. 1.65 - —
Philadelphia .....bbl. 1.65 - —
Portland, Me.....bbl. 1.60 - —
Boston, Mass.....bbl. 1.65 - —
Charleston, Mass.....bbl. 1.60 - —
Savannah, Ga.....bbl. 1.60 - —
Norfolk, Va.....bbl. 1.65 - —
Providence, R. I.....bbl. 1.65 - —
Baltimore, Md.....bbl. 1.65 - —
Jacksonville, Fla.....bbl. 1.60 - —
Port Tampa, Fla.....bbl. 1.55 - —
New Orleans, La.....bbl. .85 - —
Port Arthur, Tex.....bbl. .85 - —
Houston, Tex.....bbl. .86 - —
Texas City.....bbl. .85 - —
Lacquer diluent, at refinery:—
California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles, gal. .11 - —
Fort Welles, Wash....gal. .12 - —
San Francisco.....gal. .11¼- —
Willbridge, Ore.....gal. .12 - —
East Coast, N. Y., tanks, gal. .11 - —
N. J., tanks.....gal. .11½- —
Group 3, benzol type, tank-cars..gal. .07¾- —
toluol type, tanks.....gal. .07¾- .07¼
Mineral spirits, at refinery, California (f.o.b. San Francisco), 163-252 b.r., tanks..gal. .10¼- —
198-290 b.r., tanks...gal. .10¼- —
246-397 b.r., tanks...gal. .10½- —
312-408 b.r., tanks...gal. .09 - —
362-458 b.r., tanks...gal. .09 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks.....gal. .10 - —
Group 3, tanks.....gal. .06¼- —
Gulf Coast, tanks.....gal. .06½- —
tankwagon, Baltimore, 25-100 gals..gal. .13 - —
100 gals or more.....gal. .12 - —
Boston .....gal. .12 - —
Bridgeport, Conn.....gal. .1630- —
Buffalo .....gal. .1240- —
Camden, N. J.....gal. .11 - —
Chicago .....gal. .13¼- —
Detroit .....gal. .1580- —
Hartford .....gal. .1630- —
Kansas City, Mo.....gal. .1480- —
Lancaster, Pa.....gal. .13 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark (200 gal.).....gal. .11 - —
New York (200 gal.)....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .129 - —
Providence .....gal. .13 - —
Rochester .....gal. .1320- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —
Washington, D. C.....gal. .13 - —
Wilmington, Del.....gal. .13 - —
Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, N. Y., tankcars..gal. .11 - —
N. J., tankcars.....gal. .11 - —
Group 3, tankcars.....gal. .07½- —
Gulf Coast (f.o.b. New Orleans), tankcars..gal. .06¾- —
tankwagon, Boston.....gal. .13 - —
Bridgeport .....gal. .1730- —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark .....gal. .12 - —
New York .....gal. .12 - —
Philadelphia .....gal. .125 - —
St. Louis.....gal. .1470- —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway, gal. .21½- —
No. 2, over 90% arom., same basis..gal. .21½- —
No. 3, same basis.....gal. .22½- —
No. 8, tanks, f.o.b. Bayway N. J., frt. alld..gal. .228 - —
No. 80, tanks, f.o.b. Kingsland, N.J., frt. alld..gal. .228 - —
No. 40, tanks, f.o.b. Wilmington, Cal..gal. .13¼- —
V.M.&P., at refinery:—
California, 46.5 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11¼- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-77, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles..gal. .10 - —
San Francisco....gal. .10¼- —
Portland, Seattle..gal. .11 - —
East Coast, N. Y., tanks, gal. .11 - —
N. J., tanks.....gal. .11 - —
Group 3, tanks.....gal. .07½- —
Gulf Coast (dlvd. New Orleans), tanks..gal. .06½- —
tankwagon, Boston.....gal. .13 - —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1540- —
Minneapolis .....gal. .1520- —
Newark (200 gal.).....gal. .125 - —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
Pittsburgh .....gal. .13¼- —
St. Louis.....gal. .1470- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco)..gal. .24 - —
East Coast, N.Y., tanks.gal. .11 - —
N.J., tanks.....gal. .11 - —
Group 3, tanks.....gal. .07½- —
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. Y., tanks, gal. .09½- —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¾- —
tankwagon, Baltimore...gal. .13 - —
Boston .....gal. .12 - —
Chicago .....gal. .13½- —
Detroit .....gal. .1590- —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark .....gal. .11 - —
New York.....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .13 - —
Phenobarbital, 5-lb. tins.....lb. 3.60 - 3.70
dms., 100 lbs., spot or contract, lb. 3.50 - —
Phenol,[6] USP, dms., c.l., works, frt. equald..lb. .10¼- —
l.c.l., same basis.....lb. .11¼- —
tanks, same basis.....lb. .09¼- —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kgs., 100-250 lbs., lb. .87 - .89
yellow, fib. dms., 2,000-lb. lots. lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —

Phenothiazin, Unmodified, fib. dms., incl., 2,000-lb. shipt. lb. .55 - —
150 lbs., same terms.....lb. .65 - —
100 lbs., same terms.....lb. .67 - —
50-lbs., same terms.....lb. .70 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, 50% solut., bots...lb. 2.75 - 3.00
100% solut., bots.....lb. 4.40 - 5.00
Phenylethyl acetate, cns.....lb. 5.00 - 5.25
Phenylethylphenyl acetate, bots., fib. lb. 8.00 -15.00
Phenylhydrazin, base, CP., bots., fib. lb. 4.55 - —
Hydrochloride, CP, bots., works, fib. lb. 7.10 - —
commercial, kgs., works...lb. 1.75 - —
Phloroglucinol, CP, tins, wks...lb.20.00 -22.00
tech., tins, works.....lb.15.00 -16.00
Phosgene, ton lots, works.....lb. .19 - —
Phosphate rock, Fla., land pebble, unground, run-of-mine, washed, dried, 68%-68% B. P.L., according to provisions of Maximum Price Regulation 240, bulk, f.o.b. cars, mine, c.l....long ton. 2.00 - —
70%-68% B.P.L., M.P.R. 240 provisions, same basis..... long ton. 2.40 - —
72%-70% B.P.L., M.P.R. 240 provisions, same basis..... long ton. 3.00 - —
76%-74% B.P.L., M.P.R. 240 provisions, same basis..... long ton. 4.00 - —
77%-76% B.P.L., M.P.R. 240 provisions, same basis..... long ton. 5.00 - —
finely ground, M.P.R. 240 provisions, same basis..... short ton. 2.75 - —
68%, basis 31% P_2O_5 minimum..short ton. 3.00 - —
70%, basis 32% P_2O_5 minimum..short ton. 3.25 - —
All pebble 50c. per ton higher than above prices.
Tenn., brown unground, run-of-mine, washed, dried, 68%-69% B.L.P., f.o.b. cars, mines, c.l...long ton. 4.30 - —
70%-68% B.P.L., 5% I. & A., M.P.R. 240 provisions, same basis..... long ton. 4.80 - —
72%-70% B.L.P., 5½% I. & A., M.P.R. 240 provisions, same basis..long ton. 5.30 - —
finely ground rock, M.P.R. 240 provisions, same basis, short ton. 4.50 - —
30% P_2O_5, same basis..... short ton. 4.70 - —
31% P_2O_5, same basis..... short ton. 4.80 - —
32% P_2O_5, same basis..... short ton. 5.00 - —
33% P_2O_5, same basis..... short ton. 5.50 - —
Phosphorus, red amorphous, cs., lb. .40 - .44
tins for export.....lb. .52 - —
yellow,[9] dms.....lb. .18 - .20
cases.....lb. .23 - .25
Oxychloride,[9], cyls.....lb. .16 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., wks., ton..lb. .35 - —
single, bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride,[9] bbls., c.l., works, frt. alld. E. of Miss. R...lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .08 - .09½
Picrotoxin, bots.....oz. 8.00 - —
Pilocarpine hydrochloride, bots., vis...oz. 3.90 - 5.25
Nitrate, bots., vis.....oz. 3.80 - 5.15
Pimento,[1] Jamaica, bgs.....lb. .25½- .26½
Mexican (see Allspice, Mexican).
Pinkroot, bls.....lb. .63 - .80
Piperazine hexahydrate, 100-lb. lots., bots...lb.16.00 - —
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l......ton.22.00 - —
Hardwood, 1-time, dms., c.l., dlvd., Akron..ton.23.75 -24.00
Linseed, dms.....lb. .05 - .06½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms.....100 lbs. 3.25 - —
stands, 200 lbs.....stand. 6.00 - —
Plaster of paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss...lb. 8.75 - 9.00
Pokeroot, bbls.....lb. .10 - .11
Polyamyl naphthalene, l.c.l., dms., works..lb. .25 - —
Pomegranate bark, bgs.....lb. 1.05 - 1.10
Root bark, bgs.....lb. .80 - .85
Poppy flowers, red, bls.....lb. .65 - .85
seed, Dutch, bgs.....lb. .50 - .52
Indian, white, bgs.....lb. .09¼- .09¾
Turkish, bgs.....lb. .34 - .35
Potash, abietate.....lb. .08 - —
Acetate, USP, bbls., 250 lbs..lb. .28 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite,[6] USP, solut., 100-lb. lots, cbys., dmjs..lb. .13 - .15
Bicarbonate, USP, cryst. or gran., bbls., kgs., 300 lbs., lb. .19 - .21
Bichromate[2,5], spot, c.l., cks., bbls., works..lb. .09¾- —
6 casks or 10 bbls. or over, works..lb. .09¾- —
5 casks or 9 bbls. or less, works..lb. .10 - —
Potash bichromate in bgs., ¼c. less.
Bromide, USP, gran., bbls., 500 lbs...lb. .27 - .31
kgs., 100 lbs.....lb. .28 - .32
Carbonate, calc., doms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., dms., same basis..lb. .05¾- —
liquid, dms., c.l., works, frt. alld...lb. .03 - —
l.c.l., dms., same basis.lb. .03½- —
tanks, same basis.....lb. .02¾- —
USP, gran., bbls., 325 lbs...lb. .14 - .16
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07½- —
liquid, 45% basis, dms.....lb. .03¼- .03½
tanks.....lb. .02⅞- —
solid, 88-92%, dom., dms., c.l., works..lb. .07¼- —
l.c.l......lb. .06½- .06¾
Chlorate,[2,6] cryst., kgs., works, lb. .11 Nom.
powd., kgs., works.....lb. .09¾- .10
Chloride, tech., 98%, cryst., bgs., kgs...lb. .08 Nom.
Chromate, [2,5], bgs.....lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs...lb. .33½- —
100-lb. dms.....lb. .34½- —
25-lb. dms.....lb. .35½- —
25-lb. dms.....lb. .37¼- .38½
powd., 3c. per lb. higher.

Potash, cyanide, dom., dms., works..lb. .55 - —
gold, 41% gold, bots., works, oz.14.20 -14.95
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.50 - 1.52
100-lb. lots.....lb. 1.60 - 1.62
50-lb. lots, cbys. or cns.lb. 1.65 - 1.67
25-lb. lots, cns.....lb. 1.75 - 1.77
Guaiacolsulphonate, NF, fib. dms., 100-lb. lots..lb. 1.75 - —
Hydroxide, USP, sticks, dms., 100 lbs. to 1,000 lbs..lb. .34 - .36
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iolide, bots. or cans.....lb. 1.44 - 1.48
dms.....lb. 1.35 - 1.38
Potash, kainit, 20% K_2O, bulk, ex vessel, Atlantic or Gulf ports, ton. No prices
Manure salt, dom., 22%, K_2O, f.o.b. Carlsbad, N. M., unit-ton. .20 - —
25% K_2O, same basis..unit-ton. .21 - —
Import, 50% K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Metabisulphite, kgs.....lb. .18 - .19
CP, cryst., 300-lb. bbls....lb. .34 - —
purified, 300-lb. bbls.....lb. .23 - —
Muriate, dom., 60-62-63%, K_2O, bulk ex vessel, ports..... unit-ton. .53½- —
granular, 50-52, K_2O..... unit-ton. .56 - —

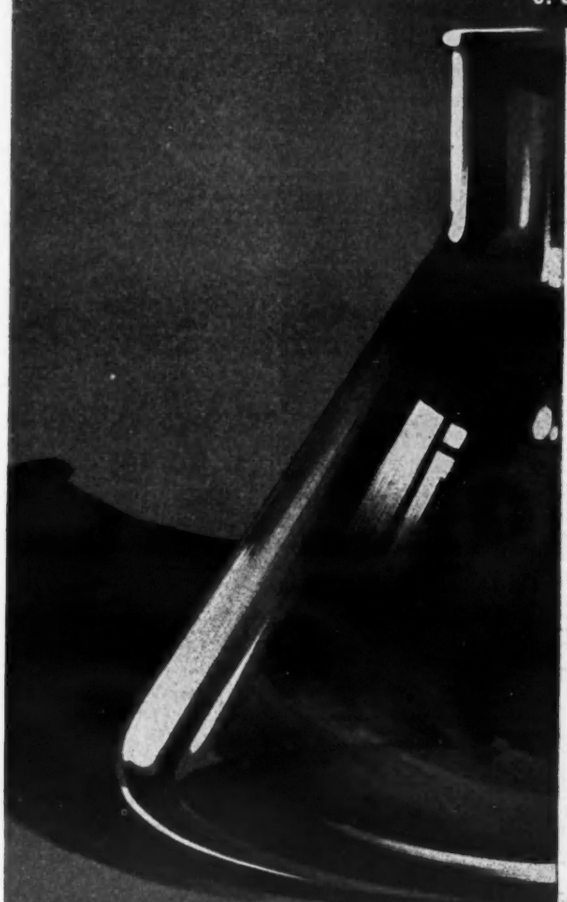
Potash, muriate, Russian, offered from consignments afloat, subject to safe arrival..unit-ton. .53½- —

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price; basis Trona, Cal., 8c. per unit of K_2O less than ex vessel price at Pacific Coast ports.

Oxalate, pure, cryst., kgs....lb. .40 - .42
tech., bbls., dms.....lb. .28 - .30
Nitrate, crude, bgs., c.i.f. ports, ton. No prices
Perchlorate,[2,6] kgs., works..lb. .09½- .11
Permanganate, tech., dms., works..lb. .20¾- .22
USP, dms., works.....lb. .21¾- .22¾
Prussiate, red, bbls., dms...lb. .70 - .75
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate alkaline, lumps, bgs., works..lb. .07 - —
glass, bgs., c.l.....ton.290.00 - —
l.c.l......100 lbs.15.25 - —
solution, 20°Be, ret. dms., c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works. 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works 100 lbs. 4.75 - —
l.c.l., 5 or more, works. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —

Potash, sulphate, NF, powd., 500 lbs., bbls...lb. .15 Nom.
100-lb. kgs.....lb. .17 - —
Prices on granular 4c. higher.
tech., dom., bulk basis, 90-95%, K_2SO_4, min. 90%, ex vessel, Atl. or Gulf ports. ton.36.25 - —
Sulphocyanide, C.P., dms....lb. .75 - .85
N.F., dms.....lb. .55 - .62
Xanthate, dms., c.l.....lb. .12 - —
Potash-magnesia, sulphate, dom., bulk, min. 40%, K_2SO_4, 18.50% MgO, ex vessel, ports. ton.26.00 - —
Potash-soda ferricyanide, dms. works..lb. .40 - .42
Potash-titanium oxalate, 350-lb. bbls...lb. .45 - —
100-lb. dms.....lb. .50 - —
Prickly ash bark, bls.....lb. .11½- .12
Berries, bgs.....lb. .23 - .25
Prince's pine herb, bls.....lb. .32 - .33
Procaine, hydrochloride, 25-lb. cns...lb. 8.00 - —
5-lb. cans.....lb. 8.25 - 8.50
1-lb. bots.....lb. 8.75 - —
Propane,[1] industrial grade, tanks, f.o.b. Group 3..gal. .03 - .03
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. 1.10 Nom.
Pumice, dom., grd., fine, 4F, 3F, 2F, F, O, bgs., f.o.b. Chicago, 2,000 lbs. and up. lb. .04 - —
600-1,999 lbs.....lb. .04¼- —
100-599 lbs.....lb. .04¾- —

DOW EPSOM SALT
U. S. P.



The Dow method of producing its Epsom Salt, U.S.P., for use as a medicinal in general and veterinary practices, makes possible the large scale production of an exceptionally pure product, in the form of white, sparkling, uniform, needle-shaped crystals. No packaging of Dow Epsom Salt, U.S.P. is done until each batch has been thoroughly tested.

● **In addition to the standard pharmaceutical chemicals of wide and general useful Dow's products for the trade include many required only for special and restricted purp Whatever the chemical may be, if it is a Dow product there is every assurance of top-l quality and exceptional uniformity. There is more than a half-century of experience of these pharmaceutical chemicals.**

THE DOW CHEMICAL COMPANY, MIDLAND, MICHIGAN

New York City, St. Louis, Chicago, Houston, San Francisco, Los Angeles, Seattle

PHARMACEUTICALS

DOW

CHEMICALS INDISPENSABLE TO INDUSTRY AND VICTORY

Pumice, dom., grd., fine, New York, 2,000 lbs. and up..lb. .03½- —
600-1,999 lbs.....lb. .03¾- —
100-499 lbs.....lb. .04 - —
coarse, O½, ½, 1, 1½, 2, 3, bgs., f.o.b. Chicago, 2,000 lbs. and up..lb. .04½- —
600-1,999 lbs.....lb. .04½- —
100-599 lbs.....lb. .05 - —
New York, 2,000 lbs. and up..lb. .03¾- —
500-1,999 lbs.....lb. .03¾- —
100-499 lbs.....lb. .04¼- —
imp., Italian.....lb. No prices

Pumice stone packed in barrels is ½c. per lb. higher than the above prices.

Pumpkin seed, bgs.....lb. .12 - .18

Purple lake (see Red).

Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms...100 lbs. 4.20 - —
Pyrethrum[6] concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd., gal. 5.75 - —
(30 to 1), 3 grams pyrethrins per 100 cc., dms., dlvd..gal. 8.53 - —
Pyrethrum[6] flowers, coarse, grns., (g.f.p.) 0.9% pyrethrins, frt. alld., bbls..lb. .27 - .28
fine powd., 0.5 pyrethrins, frt. alld., bbls..lb. .23 - —
fine, grd., 0.9% pyrethrins, bbls..lb. .29 - —
1.3 pyrethrins, frt. alld., bbls..lb. .39 - —
Pyridin,[6] denaturing, dms....gal. 1.71 - —
refd., 2°, dms.....lb. .46 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton.10.00 - —
325 mesh, same basis.....ton.13.00 - —
No. 3, 200 mesh, c.l., mines.ton. 8.00 - —
325 mesh, same basis.....ton.11.00 - —
Pyroxylin scrap amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china, white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaques cs., works..lb. .04 - —
translucent pastels, cs., works, lb. .10 - —
transparent, cs., works.....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works...lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, dom., bls.....lb. .06 - .08

Quebracho extract, solid, 62%, bgs., c.l., ex dock, plus duty, lb. .04¾- —
clarified, 64%, bgs., c.l., same basis..lb. .05 - —
dissolved, 32% tan., bbls., works..lb. .04½- —
tanks, works.....lb. .04 - —
ground, bgs., c.l.....lb. .05¼- —
l.c.l., bgs.....lb. .09 - —

Queen of the meadow leaves, bgs..lb. .12 - .13
Root, bgs.....lb. .10 - .11

Quercitron, crystals, bgs.....lb. .26 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09¼- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .13¼- —

Quicksilver,[7,8] dom., flasks (76 lbs. net), f.o.b. shipment point in Cal., Ore., Wash., Idaho, Utah, Nev., and Ariz..flask.191.00 - —
Tex. and Ark.....flask.196.00 - —
Quicksilver freight $4.28 per flask to N. Y.; dealers' commission, 1%; brokers, 2%.

Quince seed, bgs.....lb. 1.50 - 1.75

Quinaldine,[6] NF V, cryst., cns.os. 1.06 + .13½*
powd., precip., cns.....os. 1.01 + .13½
Sulphate, USP, cns.....os. .71 + .13½

* Subject to surcharge of 13½c. per oz.; see note under Quinine.

Quinine,[9] 100 oz., cns.....oz. .84 + .13½*
Acetate, cns.....oz. 1.06 + .13½
Arsenate, cns.....oz. 1.05 + .13½
Arsenite, cns.....oz. 1.07 + .13½
Bisulphate, cns.....oz. .80 + .13½
Citrate, cns.....oz. .78 + .13½
Dihydrobromide, bots.....oz. .86 + .13½
Dihydrobromide, bots.....oz. .86 + .13½
Ethylcarbonate, cns.....oz. 1.25 + .13½
Ferrocyanide, cns.....oz. 1.07 + .13½
Formate, cns.....oz. 1.00 + .13½
Hydrochlorosulphate, cns....oz. .81 + .13½
Glycerophosphate, cns.....oz. 1.20 + .13½
Hydrochloride, cns.....oz. .76 + .13½
Hydriodide, cns.....oz. 1.05 + .13½
Hypophosite, cns.....oz. 1.07 + .13½
Phosphate, cns.....oz. .80 + .13½
Salicylate, cns.....oz. .79 + .13½
Sulphate, USP XII, cns....oz. .67 + .13½
Sulphocarbolate, cns.....oz. 1.05 + .13½
Tannate, cns.....oz. .63 + .13½
Valerate, cns.....oz. .99 + .13½
Tartrate, cns.....oz. 1.08 + .13½

* Quinine buyers must pay a surcharge of 13½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride,[6] cns., oz. .81 + .13¼

Subject to surcharge of 13¼c. per oz.; see note under Quinine.

R

R salt, dry, bbls.....lb. .35 - —
paste, dms.....lb. .52 - —

Rapeseed,[1] Argentine, large bgs., lb. .09½- .10
dom., dwarf Essex, bgs...lb. .10 - .10½

Raspberries, dried, bls.....lb. .90 - 1.10

Red,[2] alizarin lake,[2] bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .95 - —
400-2,000 lbs., bbls.....lb. 1.00 - —
Red, cadmium, lithopone, deep shade, 100-300 lbs., pkgs..lb. 1.05 - —
light shade, bbls., ton lots..lb. .80 - —
400-2,000 lbs., bbls.....lb. .85 - —
100-300 lbs., pkgs.....lb. .90 - —
light-medium shades, bbls., ton lots..lb. .85 - —
400-2,000 lbs., bbls.....lb. .90 - —
100-300 lbs., pkgs.....lb. .95 - —
maroon shade, bbls., ton lots..lb. 1.05 - —
400-2,000 lbs., bbls.....lb. 1.10 - —
100-300 lbs., pkgs.....lb. 1.15 - —
deep, bbls., ton lots.....lb. 1.15 - —
400-2,000 lbs., bbls.....lb. 1.20 - —
100-300 lbs., pkgs.....lb. 1.25 - —
medium shade, bbls., ton lots..lb. .90 - —
400-2,000 lbs., bbls.....lb. .95 - —
100-300 lbs., pkgs.....lb. 1.00 - —

Red, cadmium, lithopone quotations are f.o.b. Baltc. or whse. points, charges prepaid or allowed E. of Rockies.

Selenide, bbls., light, works, lb. 2.85 - —
maroon, works.....lb. 2.90 - —
Carmine, 40, dms., 100 lbs...lb. 4.00 - —
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.35 - —
Firetoner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis, lb. .07¾- —
Imported, English, all shades, lb. .12 - —
Iron oxide see (Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts, lb. .90 - —
Litho toner, bbls., same basis, alizarin lake, contracts..lb. .60 - —
Rose, lake, bbls.....lb. .25 - .28
Pink, bbls.....lb. .20 - .25
Lithol-rubine toner, bbls., same basis, alizarin, lake, contracts..lb. 1.10 - —
Maroon lake, 25%, bgs., same basis, alizarin, lake, contracts..lb. .40 - —
Mercury, oxide,[3] tech., bbls., 10,000 lbs..lb. 3.09 - —
smaller lots.....lb. 3.11 - —
Metallic, bbls., Pa., works..lb. .62 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .09 - —
l.c.l., bbls.....lb. .09¾- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .08¼- —
50-lb. bgs.....lb. .096 - —
Imported, English.....lb. .14½- —
Para, toner, concent., bgs., same basis, alizarin lake, contracts..lb. .70 - —
Persian Gulf, oxide, bbls., c.l., lb. No prices
Phloxin toner (see Red, Eosin-toner).
Phosphotungstic rhodamine, Y, kgs..lb. 4.15 - —
Purple lake, kgs.....lb. .80 - 1.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .35 - —
Spanish, oxide, Grade 1, c.l., bbls., f.o.b. N.Y..lb. .04¾- .07¾
Toluidin toner, kgs., same basis alizarin lake..lb. 1.05 - —
Turkey, c.l.f. New York.....lb. .14½- —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .2065- —
20%, bbls., works.....lb. .024- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¾- —
35%, bbls., works.....lb. .0260- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., f.o.b. N.Y.....lb. .25 - .44
quicksilver, bbls.....lb. 3.05 - 3.15

Red dyes are listed under Dyes.

Red. precipitate,[3] NF, powd., fib. dms., 50 lbs. or more..lb. 3.26 - —
Red saunders wood, ground, bbls., lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld. E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .09 - .10
Rhubarb, whole, bgs.....lb. 1.15 - 1.35
powd., bbls.....lb. 1.30 - 1.45
Riboflavin.....gram. .65 - .68
Rice bran, concentrate, 572-lb. dms., f.o.b. Cedartown, Ga., or Emeryville, Calif., seller's option..lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43¼- —
smaller lots.....lb. .44 - .47
powd., bbls., 5,000 lbs., 1 ship't, lb. .42½- —
smaller lots.....lb. .43 - .46
Rose flowers, pale, bls.....lb. .32 - .35
red, bls.....lb. No prices
Rosemary flowers, bls.....lb. 1.55 - 1.60
leaves, Portuguese, bls.....lb. .17½- .18
Spanish, bls.....lb. .18 - .18½
Rosin gum, ex lock:—
B, drums or bags....100 lbs. 3.51 - —
D, drums or bags....100 lbs. 3.60 - —
E, drums or bags....100 lbs. 3.85 - —
F, drums or bags....100 lbs. 4.01 - —
G, drums or bags....100 lbs. 4.05 - —
H, drums or bags....100 lbs. 4.05 - —
I, drums or bags....100 lbs. 4.15 - —
K, drums or bags....100 lbs. 4.36 - —
M, drums or bags....100 lbs. 4.41 - —
N, drums or bags....100 lbs. 4.51 - —
W. G., drums or bags..... 100 lbs. 4.61 - —
W. W., drums or bags..... 100 lbs. 4.66 - —
X, drums or bags....100 lbs. 4.66 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., same basis.....ton.37.50 - —
import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. 1.45 - 1.50

S

Sabadilla seed, powd., bbls....lb. .31 - .32
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - —
Safflower bls.....lb. No prices
Saffron, Mexican, bls.....lb. .55 - .56
Spanish, tins.....lb.31.50 -32.50
Safrol, cns.....lb. 2.25 - 2.45
dms.....lb. No prices
Sage,[1] Calif. leucophylla, whole, bls..lb. No stocks
rubbed, bgs.....lb. No stocks
powder, bgs.....lb. No stocks
Dalmatian type, bls.....lb. .80 - .85
Cyprus, bls.....lb. .29½- .30
Greek, bls.....lb. 1.60 - 1.70
Spanish, bls.....lb. .29 - .30
Sago flour, bgs.....lb. .05 - .05¾
Salicin, bnts., 5 lbs.....lb. 8.03 - —
cns., 25 lbs.....lb. 7.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs...lb. 1.02 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., c.l., dlvd. N.Y. ton.14.20 - —
l.c.l., bgs., dlvd. N.Y...ton.17.00 -18.00
Vacuum, common, fine, bgs., c.l., dlvd. N.Y..ton.15.70 - —
l.c.l., dlvd. N.Y.....ton.19.40 -23.20
Chrome see Chrome cake).
Saltcake, dom., bulk, works...ton.15.00 - —
import, bulk, c.i.f.....ton.16.00 Nom.
Saltpeter, dbl. refd., gran., bbls., 10-50 tons.....100 lbs. 8.20 - —
1-9 tons.....100 lbs. 8.35 - —
less than ton lots..100 lbs. 8.60 - —
powd., bbls., 10-20 tons.... 100 lbs. 9.20 - —
1-9 tons.....100 lbs. 9.35 - —
less than ton lots...100 lbs. 9.60 - —
Sanguinarine nitrate, bots.....os. 3.75 - —
Santonin, cryst., cns.....kilo.210.00 -220.00
Saponin, No. 1, cns.....lb. 1.75 - —
No. 2, cns.....lb. 1.45 - —
Sarsaparilla root, American, bls. lb. .25 - .26
Honduras, bls.....lb. .59 - .60
Mexican, bls.....lb. .20 - .21
Sassafras, bark, ord., bls.....lb. .20 - .21
select, bls.....lb. .31 - .33
Savory, bls.....lb. .75 - 1.75
Saw palmetto berries, bgs.....lb. .09 - .14
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .55 - —
powd., bxs.....lb. .90 - —
Schas...er's salt, bgs.....lb. .45 - —
Scullcap, Eastern, bls.....lb. .25 - .32
Western, bls.....lb. .17 - .18
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots.....lb. .34½- —
kegs, 5,000 lbs., 1 shipm't..lb. .34½- —
smaller lots.....lb. .34¾- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .58 - .60
Senna leaves, Alexandria, half leaf, bls..lb. .23 - .28
siftings, bgs.....lb. .21 - .22
Tinnevelly, No. 1, bls.....lb. .16 - .17½
2, bls.....lb. .12 - .16
3, bls.....lb. .11 - .14
powd., bbls., bxs.....lb. .15 - .17
Pods, bls.....lb. .13 - .16
Serpentaria root, bls.....lb. .75 - .80
Sesame seed,[1] Chinese, hulled, bgs..lb. .12½- .13
Indian, natural, bgs.....lb. .09½- .09¾
hulled, sterilized, bgs...lb. .12 - .12½
Shellac,[1,9] bleached, bonedry, bbls., 1,500 lbs. or more, f.o.b. N.Y..lb. .42½- —
dlvd., Boston.....lb. .43½- —
Chicago.....lb. .44 - —
Pacific Coast.....lb. .46 - —
or refined, bbls., 1,500 lbs. or more, f.o.b. N.Y..lb. .48½- —
dlvd. Boston.....lb. .49½- —
Chicago.....lb. .50 - —
Pacific Coast.....lb. .52 - —

Bone dry shellac, sales of less than 1,500 lbs. at following additions to maximum prices:—(1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more; (4) less than 100 lbs., regardless of packing, 5c. more.

Shellac,[1,9] 100 bgs. or more, garnet, bgs..lb. .3390- —
D.C., V.S.O., or Diamond 1, bgs..lb. .4000- —
Superfine, f.o.b. Boston, N.Y. dlvd., Chicago.....lb. .3660- —
Pacific Coast.....lb. .3710- —
T.N., f.o.b. Boston, N.Y...lb. .3660- —
dlvd., Chicago.....lb. .3850- —
Pacific Coast.....lb. .3900- —

Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 1c. more; 10 to 99 bgs., cs., 1c. more.

Shortening, tres.....100 lbs.16.50 -17.00
Silica, amorph., dry-grd., 325 mesh, c.l., bl., works...ton.17.00 - —
l.c.l., same basis.....ton.20.00 - —
400 mesh, c.l.....ton.18.00 - —
l.c.l., 5,000 lbs.....ton.19.00 - —
smaller lots.....ton.20.00 - —
wet-grd., 325 mesh., c.l., Ill., works...ton.18.00 - —
l.c.l., same basis.....ton.21.00 - —
400 mesh, c.l.....ton.30.00 - —
l.c.l., 5,000 lbs.....ton.35.00 - —
smaller lots.....ton.38.00 - —
96-98%, 325 mesh, c.l.....ton.20.00 - —
l.c.l., 5,000 lbs.....ton.21.50 - —
smaller lots.....ton.23.00 - —
99%, 325 mesh...ton.20.00 - —
l.c.l., 5,000 lbs.....ton.22.00 - —
smaller lots.....ton.25.00 - —
99%, 325 mesh, l.c.l., 5,000 lbs...ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quarts, 99½%, 325 mesh, c.l...ton.13.50 - —
l.c.l.....ton.18.50 - —
140 mesh, c.l.....ton.11.00 - —
l.c.l.....ton.16.00 - —

Silica prices are for bag packing f.o.b. works.

Silicon tetrachloride, CP, dms., works, 55 gals..lb. .27 - —
10-gal. dms., same basis..lb. .32 - —
smaller pkgs.....lb. .75 - 1.25
tech., dms., 55 gals., works.lb. .22 - —
10-gal. dms., same basis..lb. .27 - —
smaller pkgs.....lb. .50 - 1.00
Silver, bullion.....oz. .44¾- —
Govt. purchase, dom., metal. os. .7111- —
Govt. purchase,[1] foreign metal. os. .44¾- —
Cyanide, cns., 100 ozs.....os. .41½- —
Nitrate, 100-oz. bots.....os. .32¾- —
Nucleinate, bots., dms.....os. .29 - .34
Proteinate, bots., dms.....os. .28 - .33
Simarubra barks, bls.....lb. .55 - .67
Skunk cabbage root, bls.....lb. No stocks
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .75 - .80
Smalt, black, extra velvet, ctns. .05 - .08
Blue, ctns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .66 - .67
Soapbark, bls.....lb. .13 - .14
crushed, bls., bbls.....lb. .16 - .17
cut, imp., bls., bbls.....lb. .17 - .18
dom., bbls.....lb. .10 - .11
powd., bbls.....lb. .19 - .20
Soda, acetate, anhyd. ,bbls., dlvd., lb. .08½- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .05 - —
l.c.l., dlvd.....lb. .05½- .06
USP, bbls., dlvd.....lb. .06 - .07
Alginate, water soluble, refined, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
Soda, aluminate, white, soluble, c.l., bgs., frt. equald..... 100 lbs. 7.50 - —
dms., frt. equald.100 lbs. 7.75 - —
l.c.l., bgs., frt. equald..... 100 lbs. 8.40 - —
dms., frt. equald.100 lbs. 8.65 - —
Antimoniate, bbls., dlvd., c.l..lb. .18 - —
l.c.l., bbls., dlvd.....lb. .15¾- —
Arsenate,[6] dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms.....lb. .09¼- .09¾
Arsenite,[6] dry, gray, dms., c.l., dealers, works..lb. .06¾- —
l.c.l., dms., works....lb. .07¼- .08¼
white, dms., c.l., dealers, works..lb. .07¾- —
l.c.l., works.....lb. .08½- .09¼

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 55%, bgs., c.l., works...100 lbs. 1.15 - —
l.c.l., Zone 1.....100 lbs. 2.18 - —
2.....100 lbs. 2.33 - —
3.....100 lbs. 2.58 - —
4.....100 lbs. 2.98 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l. works, 100 lbs. 1.13 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
bulk, c.l., works, light, 58%, bgs., c.l. works, 100 lbs. 1.05 - 1.13
l.c.l., Zone 1.....100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse point and include delivery in any quantity to customer's sidewalk within reconsigned local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. River and North of the South-ern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian; Neb. E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex., Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyoming.

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
500 lbs. or less.....lb. .43 - —
USP, bbls., fib., 4,000 lbs., or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
500 lbs. or less.....lb. .50 - .52
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l.....100 lbs. 2.05 - —
bxs., c.l.....100 lbs. 1.55 - —
l.c.l.....100 lbs. 1.90 - —
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
l.c.l.....100 lbs. 2.60 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N.Y.....100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N.Y.....100 lbs. 2.76 - —
Bichromate,[3,6] spot, cks., bbls., c.l., works..lb. .07¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07¼- —
6 cks. or 9 bbls. or less, works..lb. .07¾- —

Soda bichromate in bgs., ¼c. less.

Bifluoride, bbl., c.l.....lb. .11 - —
10-bbl. lots.....lb. .11¼- .12
1-9 bbls.....lb. .12 - —
kegs.....lb. .12¼- .14
Bisulphite, powd., bbls., c.l., works...100 lbs. 2.00 - 2.10
l.c.l., works.....100 lbs. 2.50 - 2.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
38 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., c.l., works...100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., works, 500 lbs..lb. .27 - .30
fiber dms., 100 lbs.....lb. .28 - .31
Cacodylate, 5-lb. bbls., works, lb.17.00 - —

Carbonate (see Soda ash, soda monohydrated, soda sal).

Caustic, flake, 76%, powd., ammo. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works...100 lbs. 2.70 - —
l.c.l., Zone 1.....100 lbs. 3.55 - 4.90
2.....100 lbs. 3.70 - 5.05
3.....100 lbs. 3.95 - 5.30
4.....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..lb. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works..... 100 lbs. 2.00 - —
solid, 76% ammon., process, dms., c.l., works..100 lbs. 2.80 - —
l.c.l., Zone 1.....100 lbs. 3.15 - —
2.....100 lbs. 3.30 - —
3.....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.80 - —

Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.

Chloride (see Salt).

Soda, chlorate,[6] dom., cryst., bgs., c.l., works	lb.	.06½ - —
l.c.l., works	lb.	.06½ - —
powd., bgs., c.l., works	lb.	.06½ - —
l.c.l., works	lb.	.07 - .06½
Chromate,[3,4] c.l., works	lb.	.08¾ - —
l.c.l., 6 cks., 10 bbls. or over, works	lb.	.09½ - —
Citrate, USP VIII, 225-lb. bbls.	lb.	.18½ - —
50-lb. lots, dms.	lb.	.20½ - —
25-lb. lots, dms.	lb.	.22½ - .23½
dms., 100-lb. lots, dms.	lb.	.19½ - —
USP XI, gran., bbls., 250-lb. lots	lb.	.24 - —
boxes, 50-lb. lots	lb.	.26 - —
cns., 25-lb. lots	lb.	.28 - .29
kgs., 100-lb. lots	lb.	.25 - —
powd., bbls., 250-lb. lots	lb.	.24½ - —
boxes, 50-lb. lots	lb.	.26½ - —
cns., 25-lb. lots	lb.	.29½ - —
kgs., 100-lb. lots	lb.	.25½ - —
Cyanide,[6] 96-98%, dom., dms.	lb.	.14 - .15
imports, 96%, cs.	lb.	No prices
Diacetate, 33-35% acidity, bbls., dlvd.	lb.	.09½ - .10½
anhy., dms., dlvd.	lb.	.12½ - —
Fluoride, white, 50%, bbls., c.l., frt. alld.	lb.	.06 - —
l.c.l., 10 or over, same basis	lb.	.06½ - —
1-9, same basis	lb.	.09 - —
95%, bbls., c.l., same basis	lb.	.06¼ - —
l.c.l., 10 or over, same basis	lb.	.06¾ - —
1-9, same basis	lb.	.09¼ - —
Soda fluoride prices at Los Angeles are f.a.s. works.		
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots	lb.	1.25 - 1.32
100-lb. lots	lb.	1.40 - 1.47
cns., 25 lbs.	lb.	1.65 - 1.67
powd., bbls., 1,000-lb. lots	lb.	1.25 - 1.32
100-lb. lots	lb.	1.40 - 1.47
cns., 25 lbs.	lb.	1.72 - —
solution, sbys., cns.	lb.	.82 - .83
Hydrosulphite, dms., frt. alld.	lb.	.17 - 18
Hydroxide, USP, sticks, dms., 100 to 1,000-lb. lots	lb.	.24 - .27
Hypophosphite, N. F., cns., 100-lb. lots	lb.	.67 - —
Hyposulphite, cryst., large bgs., works, frt. equald.	100 lbs.	2.25 - —
bbls., same basis	100 lbs.	2.45 - —
l.c.l., bgs., works, frt. equald.	100 lbs.	2.50 - —
cryst., bbls., same basis	100 lbs.	2.70 - —
pea, bgs., c.l., works	100 lbs.	2.60 - —
bbls., works	100 lbs.	2.80 - —
dms., works	100 lbs.	3.10 - —
5,000 lbs. and over, bgs., works	100 lbs.	2.75 - 2.90
bbls., works	100 lbs.	2.95 - 3.20
dms., works	100 lbs.	3.25 - 3.60
2,500 to 5,000 lbs., bgs., works	100 lbs.	2.85 - 3.10
bbls., works	100 lbs.	3.05 - 3.30
dms., works	100 lbs.	3.35 - 3.60
500 to 2,500 dms., works	100 lbs.	3.10 - 3.25
bbls., works	100 lbs.	3.30 - 3.55
dms., works	100 lbs.	3.60 - 3.85
less than 500 lbs., bgs., works	100 lbs.	3.70 - 3.95
bbls., works	100 lbs.	3.90 - 4.15
dms., works	100 lbs.	4.20 - 4.45
Iodate, jars	lb.	5.40 - —
Iodide, jars	lb.	2.42 - —
bots.	lb.	2.52 - 2.67
Mandelate, 100-lb. dms.	lb.	3.25 - —
Metanilate, bgs.	lb.	.40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald.	100 lbs.	4.00 - —
15 dms. and over, dlvd. N.Y.	100 lbs.	4.90 - —
3-14 dms., same basis	100 lbs.	5.05 - —
1-2 dms., same basis	100 lbs.	5.20 - —
gran., bbls., c.l., works	lb.	2.50 - —
10 bbls. and over, dlvd. N.Y.	lb.	2.80 - —
1-9 bbls., dlvd. N.Y.	lb.	3.55 - —
Molybdate,[3] anhyd., kgs., works,	lb.	.47 - —
Monohydrated, bbls., N. Y.	100 lbs.	3.00 - —
works	100 lbs.	2.55 - —
Naphthionate, bbls.	lb.	.50 —
Nitrate,[3] dom., c.l., 100-lb. bgs., f.o.b. cars Hopeville, Va.	ton.	30.05 - —
200-lb. bgs., same basis.	ton.	29.35 - —
bulk, f.o.b. Hopewell, Va.	ton.	27.00 - —
imp., c.l., 100-lb. bgs., f.o.b. cars, Atl., Gulf, Pac. warehouses	ton.	33.00 - —
200-lb. bgs., same basis	ton.	32.40 - —
bulk, same basis	ton.	30.00 - —
refd., gran., bbls., 10 tons.	100 lbs.	3.60 - —
1-9 tons	100 lbs.	3.75 - —
smaller lots	100 lbs.	4.00 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized,	lb.	.06¾ - —
West Coast, f.o.b. ports.	100 lbs.	6.00 - 6.65
l.c.l.	100 lbs.	6.90 - 11.90
Soda niterite l.c.l. prices range represents delivery at various points.		
Orthosilicate, anhyd., dms., c.l., works, frt. equald.	lb.	4.50 - —
15 dms. and over, same basis	lb.	5.45 - —
3-14 dms., same basis	lb.	5.60 - —
1-2 dms., same basis	lb.	5.95 - —
flake, dms., c.l., works	100 lbs.	3.15 - —
10 bbls. and over, dlvd. N.Y.C.	100 lbs.	4.30 - —
1-9 bbls., same basis	100 lbs.	4.55 - —
Oxalate, neut., bbls.	lb.	.09½ - —
Perborate, NF, bbls., c.l., works.	lb.	.14¾ - —
l.c.l., works	lb.	.15¼ - —
Pentachlorophenate briquets, single bgs., works	lb.	.26 - —
70 lbs., bgs., works	lb.	.20 - —
490 lbs., bgs., works	lb.	.18 - —
powd., 100 lbs., kgs., works	lb.	.19 - —
500 lbs., bgs., works	lb.	.17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works	100 lbs.	6.00 - 6.25
l.c.l., works	100 lbs.	6.50 - 7.25
bbls., c.l., works	100 lbs.	6.20 - 6.45
l.c.l., works	100 lbs.	6.70 - 7.45
cryst., tech., bgs., c.l., works.	100 lbs.	2.55 - 2.70
l.c.l., works	100 lbs.	2.95 - 3.45
bbls., c.l., works	100 lbs.	2.75 - 2.90
l.c.l., works	100 lbs.	3.15 - 3.65
monobasic, anhyd., c.l., works,	100 lbs.	7.25 - 8.25
l.c.l., works	100 lbs.	8.00 - 9.00
bbls., c.l., works	100 lbs.	7.45 - 8.45
l.c.l., works	100 lbs.	8.20 - 9.20
tribasic, bgs., c.l., works.	100 lbs.	2.70 - —
l.c.l., works	100 lbs.	3.45 - —
bbls., c.l., works	100 lbs.	2.90 - —
l.c.l., works	100 lbs.	3.65 - —
drugs, c.l., works	100 lbs.	3.40 - —
l.c.l., works	100 lbs.	4.15 - —

Soda, phosphate, anhydrous, bgs., c.l., works, frt. equald.	100 lbs.	6.00 - —
l.c.l., same basis	100 lbs.	6.50 - —
bbls., c.l., same basis	100 lbs.	6.20 - —
l.c.l., same basis	100 lbs.	6.70 - —
USP (dibasic), bbls., dms., works	lb.	.08 - .10
dried, bbls., dms., works	lb.	.11½ - .12
Picramate, kgs.	lb.	.65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more	lb.	.11 - —
contracts	lb.	.10 - —
smaller lots	lb.	.11¼ - —
contracts	lb.	.10¼ - —
Pyrophosphate,[3] anhyd., bgs., c.l., works, frt. equalized.	100 lbs.	5.25 - 6.10
5 tons and over, same basis	100 lbs.	5.40 - 6.25
less than 5 tons, same basis	100 lbs.	5.75 - 6.60
bbls., c.l., works, frt. equalised	100 lbs.	5.45 - 6.30
5 tons and over, same basis	100 lbs.	5.60 - 6.45
less than 5 tons, same basis	100 lbs.	5.95 - 6.80
Ricinoleate, tech., bbls.	lb.	.12 - —
Sal, bgs., dlvd. N. Y.	100 lbs.	1.35 - —
works	100 lbs.	1.10 - —
bbls., dlvd N. Y.	100 lbs.	1.40 - —
works	100 lbs.	1.20 - —
Salicylate, dms.	lb.	.52 - .55
Sesquicarbonate, bgs., c.l., works.	100 lbs.	1.50 - —
bbls., c.l., works	100 lbs.	1.70 - —
l.c.l., Zone 1	100 lbs.	2.70 - —
2	100 lbs.	2.85 - —
3	100 lbs.	3.10 - —
4	100 lbs.	3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.		
Sesquisilicate, dms., c.l., works,	100 lbs.	3.05 - —
100 bbls. or over, dlvd. N.Y.C.		
1-9 bbls.	100 lbs.	4.30 - —
works	100 lbs.	.80 - —

Soda, silicate, 40° turbid, dms., c.l., works	100 lbs.	.80 - —
l.c.l., 5 or more, works.	100 lbs.	1.05 - —
1 to 4, works	100 lbs.	1.20 - —
tanks, wks.	ton.	18.00 - —
52°, dms., c.l., works	100 lbs.	1.40 - —
l.c.l., 5 or more, works.	100 lbs.	1.65 - —
1 to 4, works	100 lbs.	1.80 - —
tanks, wks.	ton.	25.00 - —
Silicofluoride, bbls., c.l., works.	lb.	.05 - —
l.c.l., same basis	lb.	.05½ - —
Stannate, dms.	lb.	.33½ - .36½
Stearate, lump, powd., bbls., works	lb.	.19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works	100 lbs.	1.70 - 1.90
5 tons or over, works	100 lbs.	1.95 - 2.15
less than 5 tons, works	100 lbs.	2.20 - 2.40
cryst. (see Glauber's salt).		
NF, VI, desiccated, powd., bbls.	lb.	.07 - .07½
USP, cryst., gran., bbls.	lb.	.10 - .10½
Sulphide, cryst., bbls., c.l., works	100 lbs.	2.40 - —
l.c.l., 5 tons or over, dlvd.,	100 lbs.	2.90 - —
less than 5 tons, dlvd.	100 lbs.	3.15 - —
solid, bbls., c.l., works	100 lbs.	3.15 - —
l.c.l., 5 tons or over, dlvd.	100 lbs.	3.65 - —
less than 5 tons, dlvd.	100 lbs.	3.90 - —
Sulphite, cryst., 100-lb. bgs., works	lb.	2.10 - 2.35
bbls.	100 lbs.	2.30 - 2.55
powd., bbls., c.l.	100 lbs.	5.25 - —
l.c.l., 5 or more	100 lbs.	5.50 - —
1 to 4	100 lbs.	6.00 - —
Sulphocarbolate, gran., bbls., dms.	lb.	.28 - .32
Sulphocyanide, C.P., dms.	lb.	.55 - .68
Sulphohydrate, liquid, 38% basis 100%, dms., c.l., f.o.b. works	lb.	.05½ - —

Soda, sulphohydrate, liquid, 38%, basis 100%, dms., l.c.l. works	lb.	.06 - —
single dm. lots, works.	lb.	.08 - —
tanks, works	lb.	.04½ - —
flake, 70-72%, dms., c.l., works	lb.	.04½ - —
l.c.l., works	lb.	.05 - —
Sulphoricinoleate, bbls.	lb.	.12 - —
Thiosulphate (see Hyposulphite).		
Tungstate,[6] CP, kgs.	lb.	No prices
tech., kgs.	lb.	1.35 - 1.50
Soda-formaldehyde sulphoxylate, standard cont. (125-250 lbs.)	lb.	.19 - .23
Solvent, naphtha,[3] dms., wks.	gal.	.31 - —
tanks, E. of Omaha, frt. alld.	gal.	.27 - —
W. Coast, f.o.b. Minequa, Colo.	gal.	.27 - —
high-flash, dms., works	gal.	.32 - —
tanks, E. of Omaha, frt. alld.	gal.	.27 - —
Sorbitol,[6] com'l, dms., works	lb.	.17¾ - —
Soybean meal, 41% and 44% protein old process, bulk, Decatur, Ill., January delivery	ton.	32.25 - —
Soybean meal, 41% and 44% protein, old and new process, bulk, Decatur, Ill., April shipment	ton.	33.00 - 33.25
protein, alpha, bgs., 60,000 lbs. min., works	lb.	.17 - —
40,000-60,000 lbs., same basis,	lb.	.17 - —
20,000-40,000 lbs., same basis,	lb.	.17¼ - —
100-20,000 lbs., works	lb.	.17½ - —
less than 100 lbs., same basis,	lb.	.21 - —
Sparteine sulphate, bots., cns.	oz.	2.25 - 3.25
Spearmint leaves, bls.	lb.	.35 - .36
Spikenard root, bls.	lb.	.26 - .27
Spruce extract, reg., bbls., c.l., works.	lb.	.02½ - —
tanks, works	lb.	.01½ - —
powd., super, bgs., c.l., works	lb.	.04½ - —

Squawvine, leaves, bls.....lb. .14 - .18
Squill, red, powd.....lb. .85 - .88
White, bls.....lb. .16 - .18
powd., bbls., bxs.....lb. .26 - .28
St. Ignatius beans, bgs.....lb. .43 - .60
St. John's Bread, edible, bls..lb. .25 - .30
Starch, corn, pearl, bgs., f.o.b. Chicago100 lbs. 3.10 - —
dlvd., N. Y.....100 lbs. 3.47 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.20 - —
dlvd., N. Y.....100 lbs. 3.57 - —
Potato, dom., bgs., c.l.....lb. .0637- —
l.c.l. .....lb. .0760- —
import, bgs.....lb. No prices
Rice, bgs.....lb. .09 - .10
Sweetpotato, bgs.....lb. .06¾ Nom.
bbls. .....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. No prices
Stearin, oleo.....lb. .1054- —
Stillingia root, bls.....lb. .11 - .13
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.75 - 1.80
Stramonium leaves, bgs.....lb. .23 - .24
seed, bgs.....lb. .20 - .21
Strontium bromide, cns.....lb. .53 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 90% precip., bbls....lb. .25 Nom.
Chloride, tech., bbls.....lb. .23 - .25
Iodide, bots., 5 lbs.....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, dom., bbls., c.l., works. lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Oxalate, bbls.....lb. .44 - —
Salicylate, bbls., kgs.....lb. 1.10 - —
dms. .....lb. 1.13 - —
Sulphate, nat., 92% min., SrS_4, air-floated, 300 mesh, c.l., works..ton.52.00 - —
5 to 15 ton lots, same basis..ton.54.00 - —
Strophantin, bots.....oz.30.00 - —
Strophanthus seed, Kombe, bgs.lb. 2.75 - 2.95
Styrolyl, acetate, bots.....lb. 2.50 - 3.10
Strychnine, crystl., cns., 100-oz. lots..oz. .70 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .88 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .91 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .88 - —
Glycerophosphate, 25-oz. cans., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .83 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. 1.00 - —
Nitrate, 25-oz. cns., 100-oz. lots. oz. .83 - —
Phosphate, 25-oz. cns., 100-oz. lots oz. .80 - —
Sulphate, crystl., cns., 100-oz. lots..oz. .59 - —
powd., cns., 100-oz. lots.oz. .48 - —
Sucrose octa-acetate, C.P. grade, bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.40
Sugar of milk (See Milk sugar)
Sulfadiazin, 100 lb. dms.....lb.12.00 - —
Tablets, bots 50's.....ea. 4.90 - —
100's .....ea. 8.45 - —
1,000's .....ea.72.00 - —
Sulfaguanidine, 100 lb. dms...lb. 5.50 - —
3.5-gm. bot.....doz. 2.50 - —
4-oz. bots.....ea. 8.10 - —
1-lb. bots.....ea.30.00 - —
Sulfanilamide, 5 lbs., bots....lb. 1.45 - —
lb. dms., 1,000 lbs., 1 delivery lb. 1.00 - —
100 lbs.....lb. 1.05 - —
25-lb. lots.....lb. 1.20 - —
Sulfapyridine, powd.. 1,000-lb. lots, bots., tins..lb. 5.00 - —
500-lb. lots, bots., tins.....lb. 5.10 - —
100-lb. lots, bots., tins.....lb. 5.15 - —
25-lb. lots, bots., tins.....lb. 5.30 - —
Sulfathiasole, 1,000-lb. lots, dms. lb. 4.00 - —
500-lb. lots, dms.....lb. 4.10 - —
100-lb. lots, dms.....lb. 4.15 - —
25-lb. tins.....lb. 4.30 - —
1-5 lb. bots.....lb. 4.45 - 4.80
Sesquihydrate, prices same as sulfathiazole.
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphoxmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
flour, comm'l, bgs., c.l..100 lbs. 1.90 - —
l.c.l. .....100 lbs. 2.40 - —
flowers, USP, bgs., c.l..100 lbs. 3.50 - —
l.c.l. .....100 lbs. 3.80 - —
bbls., c.l.....100 lbs. 3.65 - —
l.c.l. .....100 lbs. 4.15 - —
refined, cast, bgs., c.l.....100 lbs. 2.45 - —
l.c.l. .....100 lbs. 2.95 - —
heavy, USP, bgs., c.l..100 lbs. 2.55 - —
l.c.l. .....100 lbs. 3.25 - —
bbls., c.l.....100 lbs. 3.20 - —
l.c.l. .....100 lbs. 3.70 - —
light, USP, bgs., c.l...100 lbs. 2.95 - —
l.c.l. .....100 lbs. 3.45 - —
bbls., c.l.....100 lbs. 3.30 - —
l.c.l. .....100 lbs. 3.80 - —
lumps, bgs., c.l.....100 lbs. 2.45 - —
l.c.l. .....100 lbs. 2.95 - —
bbls., c.l.....100 lbs. 2.80 - —
l.c.l. .....100 lbs. 3.30 - —
rolls, bgs., c.l.....100 lbs. 2.65 - —
l.c.l. .....100 lbs. 3.15 - —
Prices at the mine for various grades refined sulphur 50c. less per 100 pounds.
rubbermakers, comm'l, 99¼%, bgs., c.l., frt. alld..100 lbs. 2.20 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.55 - —
Chloride, 55-gal. dms., c.l...lb. .03 - .03¼
l.c.l., dms., works....lb. .04 - .04¼
10-gal. dms., c.l.....lb. .07 - .07¼
l.c.l. .....lb. .08 - .08¼
Dioxide, liquid, com'l, cyls., works..lb. .07 - .08
multi-unit, cars, works.lb. .04½- .06
tanks, works.....lb. .04 - .06
refrigeration, cyls., works.lb. .18 - .21
multi-unit cars, works..lb. .06½- —
Iodide, bots., jars.....lb. 3.80 - 4.05
Precipitated, USP, bbls.....lb. .18 - .27
Sumac, grd., Sicilian, f.a.s....ton. No prices
leaf, f.a.s.....ton. No prices
extract, bbls., No. 1.....lb. .08 - —
No. 3.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .12 - .18
Sunflower seed, Calif., large, bgs., lb. .10 - .10¼
medium, bgs.....lb. .09½- .10
poultry .....lb. .09 - .09½
Superphosphate, run-of-pile, basis 16% a.p.a., bulk, f.o.b. cars, boats, Balto..unit-ton. .60 - .64
net ton. 9.60 -10.24
guaranteed 16% a.p.a., bulk, plus flattening charge of 50c., unit-ton. .63½- .67½
net ton.10.10 -10.74
20% a.p.a., bulk, same basis, spot..unit-ton. .63¾- .69
net ton.12.75 -13.60
triple, bulk, f.o.b. cars, Balto., spot..unit-ton. .86 - —

T

Talc, dom., aluminum flake-type, grd., c.l..ton.14.50 -24.50
l.c.l. .....ton.16.50 -30.00
Calif., c.l.....ton.17.50 -43.00
N. Y. fibrous, 325 mesh, 93-94%, c.l..ton.13.00 -18.00
99-99½%, c.l.....ton.15.25 -19.25
99.95%, c.l.....ton.17.00 -21.00
coarse, off-color, c.l.....ton.13.00 - —
Pennsylvania, c.l.....ton.11.00 -13.50
l.c.l. .....ton.12.00 -14.50
Vermont, c.l.....ton.14.00 - —
l.c.l. .....ton.15.00 - —
imp., Canadian, c.l., dlvd. N. Y. ton.24.00 -30.00
French .....ton. No prices
Italian .....ton. No prices
Talc, domestic, is quoted at the mills in bag packaging.
Tallow,[1,2] edible, tanks.....lb. .09¾- —
lined., extra, tanks.....lb. .08¾- —
special, tanks.....lb. .08½- —
sulphonated, 35% (24% fat), dms., c.l..lb. .05¾- —
l.c.l. .....lb. .06¾- —
50% (43% fat), dms., c.l..lb. .06¼- —
l.c.l. .....lb. .07¼- —
50% (43% fat), dms., c.l..lb. .07¾- —
l.c.l. .....lb. .08¾- —
Tamarind, No. 1, bbls.....lb. .10 - .12
kegs .....lb. 7.45 - —
Tankage, dom., fertilizer, animal, bulk, basis N.Y., unit-ton. grd., 9% ammon., 10% b.p.l., 10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 4.00 & .10
feeding, unground, 9-11% ammon., bulk, basis N. Y., unit-ton. 5.10 - —
basis Chicago..unit-ton. 5.55 - —
Tansy leaves, bls.....lb. .23 - .24
Tapioca flour, Brazil, bgs.....lb. .03¾- .04½
Java, bgs.....lb. .04¾- .07¼
Tar acid oil,[6] 10%, dms., c.l., works..gal. .27½- —
l.c.l., same basis.....gal. .29½- —
25%, dms., c.l., works.....gal. .31½- —
l.c.l., same basis.....gal. .33½- —
Tar, pine, retort, dms., dlvd. E. cities..gal. .30 - .32
tanks, dlvd. E. cities....gal. .34½- —
Tarragon herb, bgs.....lb. 1.70 - 1.75
Tartar emetic, tech., fine gran. or powd., bbls., kgs., 5 or more..lb. .47¾- —
less than 5.....lb. .48 - —
dms. .....lb. .48½- .51
USP, powd., bbls.....lb. .52¾- .53
Terpin hydrate, cryst., bbls., dms., lb. .70 - .72
powd., bbls., dms.....lb. .75 - .77
Terpineol, dms.....lb. .85 - .90
alpha, denat. grade, works, net wght..lb. .17 - —
Terpinyl acetate, cns.....lb. .97 - —
dms. .....lb. .95 - —
Terra alba (see Gypsum).
Tetrachlorethane, dms., works.lb. .08 - .08½
Tetrachloroethylene, CP, dms...lb. .21½- —
tech. (see Perchlorethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 99% pure, bots. works..lb.12.50 - —
Theobromine,[6] .....lb. 2.60 - —
Sodiosalicylate,[6] dms.....lb. No prices
Thiamine hydrochloride, bots., cns., 100 grams or more..gram. .37 - —
smaller lots.....gram. .40 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium, nitrate, ca., works...lb. 2.00 - —
Thyme,[1] French, bls.....lb. .99 - 1.62
Morocco, bls.....lb. .21 Nom.
Spanish, bls.....lb. .25½- .26
Thymol, cns., 25 lbs.....lb. 2.75 - 3.00
Iodide, kgs., 50 lbs.....lb. 2.40 - —
25 lbs.....lb. 2.50 - —
Tikitiki (see Rice bran).
Timbo root,[2,5] (see Cube root).
Tin chloride, anhydrous.....lb. .48 - .48¼
Crystals, bbls., bgs.....lb. .29 - .29½
Metal,[1,6] Straits.....lb. .53 - —
Oxide, bbls.....lb. No prices
Tetrachloride, anhyd., bbls..lb. No prices
Titanium,[1] dioxide, bgs., c.l. (20 tons)..lb. .14½- —
l.c.l., 5 tons, single delivery. lb. .14¾- —
1,000-9,999 lbs.....lb. .15 - —
50-999 lbs.....lb. .15¼- —
bbls., c.l. (20 tons).....lb. .14¾- —
l.c.l., 5 tons, single delivery. lb. .15 - —
1,000-9,999 lbs.....lb. .15¼- —
50-999 lbs.....lb. .15½- —
non-chalking, bgs., c.l. (20 tons). lb. .16¼- —
l.c.l., 5 tons, single delivery. lb. .16¾- —
1,000-9,999 lbs.....lb. .17 - —
50-999 lbs.....lb. .17¼- —
bbls., c.l. (20 tons).....lb. .16¾- —
l.c.l., 5 tons, single delivery..lb. .17 - —
1,000-9,999 lbs.....lb. .17¼- —
50-999 lbs.....lb. .17½- —
chalk-resistant, bgs., c.l. (20 tons)..lb. .15 - —
l.c.l., 5 tons, single delivery..lb. .15¾- —
1,000-9,999 lbs.....lb. .15¼- —
50-999 lbs.....lb. .15¾- —
bbls., c.l. (20 tons).....lb. .15¼- —
l.c.l., 5 tons, single delivery. lb. .15½- —
1,000-9,999 lbs.....lb. .15¾- —
50-999 lbs.....lb. .16 - —
barium or magnesium base, bgs., c.l. (20 tons)..lb. .05¾- —
l.c.l. .....lb. .06 - —
bbls., c.l. (20 tons).....lb. .06 - —
l.c.l. .....lb. .06¼- —
calcium base, bgs., c.l. (20 tons). lb. .05½- —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05¼- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses. Pacific Coast prices are ¼c. per lb. higher than the above. When shipped in barrels, prices are ¼c. per pound higher.

Tetrachloride, CP, dms., works, 55 gals..lb. .07 - —
10-gal. dms., same basis..lb. .65 - —
5-gal. dms., same basis..lb. .70 - —
smaller pkgs.....lb. .90 - 1.25
technical, dms., works, 55 gals. lb. .22 - —
10-gal. dms., same basis..lb. .40 - —
5-gal. dms., same basis..lb. .45 - —
smaller pkgs.....lb. .65 - 1.00
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. .98 - —
Tolu, balsam, cns.....lb. .85 - .95
Toluidin, mixed, dms.....lb. .38 - —
Toluol,[2,3,6] (toluene), 2° indus., dms., returnable..gal. .33 - —
tanks, E. of Omaha, frt. alld., gal. .28 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .28 - —
1° nitration,[6] dms., returnable, gal. .34½- —
tanks, E. of Omaha, frt. alld., gal. .29½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .29½- —
Tonga, NF, 50% bark and vine, bls..lb. .90 - .95
Tonka beans, Angostura, cks..lb. 2.50 - 3.00
Brazilian, Surinam, cs.....lb. .95 - 1.10
Totaquine,[1] USP XII, 100 to 2,000-oz. lots..oz. .35 - —
25-oz. lots.....oz. .38 - —
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works. lb. .33 - —
Triamylamine, dms., c.l., works. lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l. .....lb. .81 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .29 - —
single dms.....lb. .31 - —
smaller lots.....lb. .40 - —
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08¼- —
tanks .....lb. .07½- —
Trichlorethylene,[3] Zone 1, dms., c.l., works, frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09¼- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Ida., Ore., Nev., Wash., Utah and Cal.

Tricresylphosphate,[2,6] CP, cns., works..lb. .43½- .54½
dms., c.l., dlvd.....lb. .37½- —
smaller lots, dlvd.....lb. .40½- —
tech., cns., works.....lb. .25½- .46½
dms., c.l., dlvd.....lb. .25 - .31
smaller lots, dlvd.....lb. .25½- .31½
tanks, dlvd.....lb. .24 - .30
Triethanolamine,[6] dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works. lb. 1.16 - —
Triethyleneglycol,[6] dms., l.c.l.lb. .26 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
single dms.....lb. .26 - —
Triethyl phosphate, cns.....lb. .45 - —
Trimethylamine, dms., c.l., dlvd., lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate,[2] bbls.....lb. .31 - .32
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double grd., bgs., c.l., works. ton.17.50 - —
cone-grd., bgs., c.l., wks.ton.16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root,[2,6] (see Derris root).
Tungsten metal, powd.,[1,3] 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .09½- .10
Madras, bgs.....lb. .10 - .10½
Turpentine, gum, dms., c.l., ex dock..gal. .75½- —
l.c.l. .....gal. .77½- .79½
wood, dest. dist., dms., dlvd., E. cities..gal. .53 - .58
tanks .....gal. .50 - —
steam-dist., dms.....gal. .64 - .67
tanks .....gal. .59 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs.....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46%, N., bgs., 20 tons, f.o.b. Belle, W.Va., Metropolitan New York, Phila., Wilmington, Del., Baltimore, Wilmington, N. C., Charleston, Savannah, Jacksonville.....ton.60.00 - —
l.c.l., f.o.b. Belle, W. Va. ton.62.50 - —
5-19 tons, f.o.b. Boston, New York, Philadelphia, Wilmington, Del., Baltimore..ton.65.00 - —
less than 5 tons, f.o.b. New York, Phila..ton.90.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl. Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .13 - —
Urea, fertilizer compound, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl. Gulf ports..ton.57.40 - —
Urea-ammonia liquor, 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atlantic Gulf ports ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports. ton.127.60 - —
Uva ursi leaves, bls.....lb. .25 - .27

V

Valerian root, Belgian, bls....lb. 1.15 - 1.20
Eastern, bls.....lb. .82 - .85
Valonia, beards, bgs., f.a.s..ton. No prices
cups, bgs, f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans,[1] Bourbon, tins..lb.10.00 - —
Java, tins.....lb. 9.50 - —
Mexican, whole, tins.....lb.11.00 - —
cuts, tins.....lb.10.00 - —
Tahiti, white label, tins.....lb. 6.00 - —
yellow label, tins.....lb. 5.75 - —
West Indian, tins.....lb.10.00 - —
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex-guaiacol, 25-lb. tins.....lb. 2.35 - —
5-lb. tins.....lb. 2.40 - —
1-lb. tins.....lb. 2.50 - —
ex lignin, any quantity, 25-lb. tins..lb. 2.35 - —
5-lb. tins.....lb. 2.40 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. No prices
artificial, cs.....lb. .24 - .25
Verdigris, bbls., kgs.....lb. .22 - .28
Vinyl acetate, 5-gal. cbys., works, lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5 gals., dms., works.....lb. .25 - —
Ether, 75 c.c. .....bot. 1.30 - —
50 c.c.....bot. .73½- —
25 c.c.....bot. .45½- —
Vitamin A (see Oils, codliver, halibut liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut liver).
E (see Alpha Tocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic; acid, nicotinic amide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum, naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .48 - .49
tree .....lb. .28 - .29
Wattle bark, bgs., f.a.s.....ton.41.00 -43.00
Extract, solid, bgs.....lb. .0447-.0460
liquid, tanks.....lb. .05 - —
bbls. .....lb. .05¾- —
Wax, amorphous, Group 3, 100-165 m.p., works, Okla., yearly contracts, amber, 60,000 lbs.lb. .14¼- —
30,000 lbs., same basis, lb. .14½- —
20,000 lbs., same basis, lb. .14¾- —
10,000 lbs., same basis, lb. .15 - —
5,000 lbs., same basis, lb. .15¼- —
less than 5,000 lbs., lb. .15½- —
black, 60,000 lbs., same basis..lb. .13¾- —
30,000 lbs., same basis, lb. .13 - —
20,000 lbs., same basis, lb. .13¼- —
10,000 lbs., same basis, lb. .13½- —
5,000 lbs., same basis, lb. .13¾- —
less than 5,000 lbs., lb. .14 - —
white, 60,000 lbs., same basis..lb. .24¾- —
30,000 lbs., same basis, lb. .25 - —
20,000 lbs., same basis, lb. .25¼- —
10,000 lbs., same basis, lb. .25½- —
5,000 lbs., same basis, lb. .25¾- —
less than 5,000 lbs., lb. .26 - —
180-185 m.p., amber, 60,000 lbs., same basis..lb. .16¼- —
30,000 lbs., same basis, lb. .16½- —
20,000 lbs., same basis, lb. .16¾- —
10,000 lbs., same basis, lb. .17 - —
5,000 lbs., same basis, lb. .17¼- —
less than 5,000 lbs., same basis..lb. .17½- —
black, 60,000 lbs., same basis..lb. .14¾- —
30,000 lbs., same basis, lb. .15 - —
20,000 lbs., same basis, lb. .15¼- —
10,000 lbs., same basis, lb. .15½- —
5,000 lbs., same basis, lb. .15¾- —
less than 5,000 lbs., lb. .16 - —
white, 60,000 lbs., same basis..lb. .28¾- —
30,000 lbs., same basis, lb. .29 - —
20,000 lbs., same basis, lb. .29¼- —
10,000 lbs., same basis, lb. .29½- —
5,000 lbs., same basis, lb. .29¾- —
less than 5,000 lbs., same basis..lb. .30 - —

Quotations, f.o.b. Chicago, ½c. per lb. higher; f.o.b. Philadelphia, 1c. per lb. higher than above figures.

Bayberry, bgs.....lb. .25 - .26
*Bees,[1] yellow, crude, ton lots or more, bgs., f.o.b. N. Y.:—
Central & S. A., sun-bleachable, same basis, lb. .44¾- —
unbleachable, same basis, lb. .41½- —
African, sun-bleachable, or nonsun-bleachable, same basis..lb. .37½- —
refined, USP, slabs, same basis..lb. .62½- —
bricks, same basis.....lb. .53½- —
discs, same basis.....lb. .55½- —
5-lb. ctns., same basis.lb. .56½- —
2-lb. ctns., same basis.lb. .57½- —
1-lb. ctns., same basis.lb. .58½- —
rounds, or squares, same basis..lb. .57½- —
5-lb. ctns., same basis.lb. .58½- —
2-lb. ctns., same basis.lb. .59½- —
1-lb. ctns., same basis.lb. .60½- —
bleached, sun or chemical, USP, same basis..lb. .57 - —
bricks, same basis.....lb. .58 - —
discs or cakes, same basis lb. .60 - —
5-lb. ctns., same basis.lb. .61 - —
2-lb. ctns., same basis.lb. .62 - —
1-lb. ctns., same basis.lb. .63 - —
*Candelilla, crude, one ton or more, bgs., f.o.b. N.Y..lb. .38 - —
refined, bgs., same basis...lb. .44 - —

Note—For prices on powdered candelilla wax add the following amounts to the above schedule:—20 mesh, 5c. per lb.; 80 mesh, 8½c.; 100-200 mesh, 6c.

*Carnauba,[1] ton or more, bgs., f.o.b. N.Y.—
Yellow, No. 1, same basis..lb. .82½- —
No. 2, same basis.....lb. .81½- —
No. 3, same basis.....lb. .79 - —
North Country, No. 2, same basis..lb. .75¾- —
No. 3, same basis.....lb. .73½- —

OPD—2-1-1943

THE MAN IN CONTROL

Few products are manufactured under such close, scientific controls as fine chemicals—yet even here the human element is important.

That's why *every* batch of *every* Monsanto pharmaceutical is *double* checked in the control laboratory before a single pound leaves for your plant. And that's why *every* Monsanto control chemist is carefully trained in the latest analytical techniques.

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Acetanilid U. S. P.
Acetophenetidin U. S. P.
Acetyl Salicylic Acid (Aspirin)
Benzoic Acid U. S. P.
Caffeine U. S. P.
Dicalcium Phosphate
Chloral Hydrate U. S. P.
Chloramine-T U. S. P.
Glycerophosphates
Magnesium Phosphates
Methyl Salicylate U. S. P.
Phenol U. S. P.
Phenolphthalein U. S. P.
Phosphoric Acid
Potassium Ammonium Phosphate
Potassium Phosphate
Saccharin U. S. P.
Salicylates
Salol U. S. P.
Sodium Benzoate U. S. P.
Sulfanilamide U. S. P.

SULFANILAMIDE U. S. P. (para-Aminobenzene Sulfonamide)

Mol. Wt. 172.20

Standard Forms: 30—80 mesh
100 mesh

Specifications: White crystals or powder; assay (dry basis) 99.5% min.; m. p. 165.0°C. min.; solution in N/2 HCl (2:30), clear; ash 0.05% max.; chlorides (as HCl) 0.014% max.; sulfate (as H_2SO_4) 0.04% max.; conforms to U. S. P. test for heavy metals.

MONSANTO CHEMICALS

SERVING INDUSTRY . . . WHICH SERVES MANKIND

Durez RESIN NEWS

J.Q.D. No. 144-A Type 1

A lusterless black baking enamel for equipment hardware to meet the requirements of this Quartermaster Corps specification is illustrated by Durez E-50,802.

The extreme corrosion and reagent resistance requirements of the specification are met by the use of tung oil and Durez 525, a 100% phenolic resin.

No. T-1183 Enamel, Phenolic Lusterless, Olive Drab

This Corps of Engineers specification finishing enamel for metal surfacer can be made without tung oil as shown by our formula E-50.658. The vehicle, V-50,656, is based on slow drying oils and a Durez 100% phenolic resin. The finish readily meets all requirements including the 20-day water immersion test.

The V-50.656 vehicle is also satisfactory for use in Engineer Corps specification T-1184B. Flat Drying Zinc Chromate Primer.

AXS 736 (Rev. 1) Varnish Phenolic: Baked

The recently revised Ordnance specification for Cartridge Case coating includes a resin and thermoplasticity test and also lowers the required film thickness of the original specification.

Durez 175, a 100% brittle phenolic thermosetting resin, is being widely and successfully used for this specification coating. Durez 175 varnishes of proper solids and using inexpensive solvents are low in cost and meet all requirements.

Durez 50,801, liquid phenolic resin, is designed to eliminate cutting procedures. This is a viscous liquid which, when reduced with solvents to proper solids, produces films comparable to those made with the brittle Durez 175 Resin.

Air Forces No. 20029 Interior Lining for Metal Containers

Air Forces specification No. 40,469, Type 1 Container, requires the use of an inner lining meeting the requirements of specification No. 20029 for Synthetic Varnish Coating for Metal Containers.

For those interested in the specification coating, we recommend a trial of Durez 50.801 thermosetting resin solution. A thin baked film of a low solids Durez 50.801 varnish shows excellent adhesion and good flexibility. The film passes all the solvent resistance tests outlined in the specification.

For samples or further information on above Durez resins, write to . . .

DUREZ PLASTICS & CHEMICALS, INC.
322 Walck Rd., North Tonawanda, N. Y.

DUREZ

RESINS THAT FIT THE JOB

Wax, carnauba, chalky, No. 3, same basis	lb.	.71½ - —
Refined, No. 3 North Country, same basis	lb.	.76¾ - .80

Note—For prices on powdered carnauba wax, add the following amounts to the above schedule:—20 mesh, 5c. per lb.; 80 mesh, 5½c.; 100-200 mesh, 6c. per lb.

Ceresin, dom., 128°-140° m.p., bgs., 1 ton	lb.	.13½ - .14
jobbing lots	lb.	.14½ - .15
150°-160° m.p., bgs., 1 ton	lb.	.15½ - .16
jobbing lots	lb.	.16½ - .17
160°-170° m.p., bgs., 1 ton	lb.	.16½ - .17
jobbing lots	lb.	.17½ - .18
Japan, cs	lb.	No stocks
Montan, bgs	lb.	.45 - .46
*Ouricury, 1-ton lots or more, bgs., f.o.b. N.Y.	lb.	.48½ - .51¾
refined, bgs., same basis	lb.	.62 - —

Note—For prices on powdered ouricury wax, add the following amounts to the above schedule:—20 mesh, 5c. per lb.; 80 mesh, 5½c.; 100-200 mesh, 6c.

Ozokerite, import, hard, green, congeal, p. 66°-68° C., bgs.,	lb.	No stocks
70°-72° C., bgs	lb.	No stocks
74°-76° C., bgs	lb.	No stocks
snow-white, pure, 76°-78° C., bgs.	lb.	No stocks
yellow, natural, 76°-78° C., bgs.	lb.	No stocks
Paraffin (see P).		
Spermaceti, blocks, cs	lb.	26 - 27
cakes, cs	lb.	27 - 28

* Note—On single sales of carnauba candelilla and ouricury waxes in less than ton lots, the following additions to maximum prices above may be made:—200 lbs. to 1 ton, 1c. per lb.; more than 100 lbs. and not less than 200 lbs., 3c. per lb.; 50 to 100 lbs., 5c.; and 1 to 49 lbs., 10c.

White lead (see Lead, white).		
White pine bark, rossed, bls.	lb.	.08 - .09
White precipitate,[3] powd., dms., 50 lbs. or more	lb.	2.84 - —
Whiting, chalk, dry-grd., c.l.	ton.	18.00 -22.00
l.c.l.	ton.	20.00 -24.00
wet-grd., c.l.	ton.	21.00 -25.00
gilders, bolted, c.l.	ton.	20.00 -24.00
l.c.l.	ton.	21.00 -24.00
extra bolted, c.l.	ton.	22.00 -26.00
l.c.l.	ton.	23.00 -27.00
Paris white, c.l.	ton.	24.00 -28.00
l.c.l.	ton.	25.00 -29.00
Limestone, airfloated, 99¾%, 250 mesh, c.l.	ton.	9.25 -10.10
200 mesh, c.l.	ton.	8.60 - 9.50
90%, 200 mesh, c.l.	ton.	6.25 - 7.00
water-floated, gilders' putty grade, c.l.	ton.	12.00 -13.00
l.c.l.	ton.	13.00 -16.00
dry ground, 325 mesh, 40 tons, f.o.b. New England plant,	ton.	6.00 - —
l.c.l., up to 5 tons, same basis	ton.	7.00 - —
less than 5 tons, same basis	ton.	9.00 - —
Wild cherry bark, thick, natural, bls.	lb.	.05¼ - .06
rossed, bls.	lb.	.15 - .18
thin, natural, bls.	lb.	.09½ - .10
rossed, green, bls.	lb.	.13 - .18
Wild indigo root, bls.	lb.	.23 - .25
Witch-hazel extract, dist., NF, bbls.	gal.	.73 - .75
leaves, bls.	lb.	.07 - .08
Witherite (see Barium carbonate, natural).		
Woodflour, dom., 40 mesh, c.l., f.o.b. North Tonawanda, N.Y.	ton.	20.00 - —
60 mesh, same basis	ton.	24.00 - —
80 mesh, same basis	ton.	27.00 - —
100 mesh, same basis	ton.	30.00 -32.00
Bags, extra, 25c. each; must be returned for credit. Carload freight to New York, N. Y. 29c. per 100 lbs		
import, 70 mesh, bgs., ex dock.	ton.	No prices
80 mesh, bgs., ex dock	ton.	No prices
100 mesh, bgs., ex dock	ton.	No prices
120 mesh, bgs., ex dock	ton.	No prices
Wormseed, American, ogs.	lb.	.08 - .09
Levant, bgs.	lb.	No prices
Wormwood, bls.	lb.	.50 - .60

X

Xylene (see Xylol).		
Xylol,[2,3,4] (xylene), indus., dms., returnable, works.	gal.	.23 - —
tanks, E. of Omaha, frt. alld.	gal.	.27 - —
tanks, W. of Coast, f.o.b. Minnequa, Colo.	gal.	.27 - —
10°, dms., returnable, works	gal.	.35 - —
tanks, E. of Omaha, frt. alld.	gal.	.30 - —
8°, dms., returnable, works.	gal.	.42 - —
tanks, E. of Omaha, frt. alld.	gal.	.37 - —
8°, dms., returnable, works	gal.	.47 - —
tanks, E. of Omaha, frt. alld.	gal.	.42 - —
Xylidin, mixed, dms.	lb.	.85 - .90

Y

Yara yara, cryst., cs	lb.	1.80 - 1.85
Yeast, dry brewers, dms., 50 B units.	lb.	.35 - —
90 B units	lb.	.40 - —
120 B units	lb.	.45 - —
200 B units	lb.	.58 - —
300 B units	lb.	.72 - —
Yellow, arsenic[2] sulphide, dom., bbls., f.o.b. New York	lb.	.52 - .55
bottles, same basis	lb.	.60 - .64
imp., bbls., same basis	lb.	.20 Nom.
Benzidine, bbls., dfvd.	lb.	1.25 - 2.20
Cadmium, CP, import, bgs.	lb.	1.35 - 1.40
lithopone, primrose, lemon, golden and standard orange, ton lots, bbls.	lb.	.55 - —
400-2,000 lbs., bbls.,	lb.	.60 - —
100-300 lbs., pkgs.	lb.	.65 - —
Yellow cadmium lithopone prices are f.o.b. Balto, or whse. points, transportation prepaid or allowed E. of Rockies.		
sulphide, orange kegs or cases, works.	lb.	1.10 Nom.
Chrome, CP, bbls., dlvd. No. of Tenn. and N. C., E. of Miss. R. including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.16 - —
Chrome yellow, CP, prices are ¼c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.		
Dutch, pink, bbls.	lb.	.09 - .11

SALT SPRAY TEST A NIGHTMARE?

Rust Proof WITH

BAKED VELSICOL AF-3

HYDROCARBON RESIN VARNISH

VELSICOL

Provides ample rust protection to bare iron and steel surfaces by spraying or brushing. An excellent substitute for critical rust proofing material. Not only can you GET Velsicol AF-3, on allocations now—you'll save money also—and produce a weather proof finish that lasts.

Velsicol AF-3 is quick drying, inert, heat resistant. It polymerizes at 400° F. (in the presence of air) to form films increasingly durable, insoluble and infusable as baking proceeds. When unpolymerized, it is soluble in ordinary naphthas.

Samples, full information, on request.

VELSICOL CORPORATION

General Offices: 120 EAST PEARSON STREET, CHICAGO, ILL.

Yellow, Hansa bbls., same basis chrome..lb. 1.37 - —
primrose shade, bbls., same basis chrome..lb. 1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs..lb. 2.87 - —
smaller lots.....lb. 2.89 - —
Ocher, American, golden, bbls., works..lb. .04½- .06¾
yellow, bbls, works....lb. .02 - .03¾
French type, bbls., c.l....lb. .0345- —
l.c.l. .....lb. .0365- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton..lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth., bbls., c.l., works..lb. .07 - —
l.c.l., same basis.....lb. .071 - —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .15 - —
open order.....lb. .15 - —
Navy specifications type, contracts..lb. .15 - —
open order.....lb. .15 - —
Yellow dock root, dom., bls...lb. .16 - .22
Yellow root (xanthorisa), bls...lb. .11 - .13
Yerba santa leaves, bls.....lb. .15 - .16
Yohimbine hydrochloride, vls..oz. 2.00 - 5.75

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .25 - —
less than 1,000 lbs., works..lb. .30 - —
Zinc, [1,2,3] Metal (see Paint market).
acetate, tech., bbls, dlvd....lb. .16 - .17
USP, bbls., 250 lbs.....lb. .27 - —
Arsenite, kgs., 100 lbs.....lb. .29 - —
E. of Rockes..lb. .12 - —
l.c.l. .....lb. .13½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .20
USP, precip., powd., bbls., lb. .32½- —
25-lb. dms.....lb. .37½- —
kgs. .....lb. .34½- —
Zinc chloride, tech., fused, dom., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.55 - —
gran., dms., c.l., works.... 100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.50 - —
USP, 100-lb. dms.....lb. .20 - .21
25-lb. jars.....lb. .26 - —
solut., 50%, dms., c.l., works, lb. .0315- —
l.c.l., works.....lb. .04½- .04½
tanks, works.....lb. .0250- —
Chromate (see Yellow Zinc Chromate).
Cyanide, kgs., works.....lb. .23 - .27
Dust,[9] bbls., c.l., dlvd.....lb. .1035- —
l.c.l., f.o.b. works.....lb. .1135- —
Fluoride, bbls.....lb. .25 - .30
Iodide, NF, bots.....lb. 4.54 - —
jars .....lb. 4.40 - —
Metal (see daily quotations in Market report).
Oxide,[9] pigment, dom., acicular type, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .07¾- —
bbls., c.l., dlvd.....lb. .07½- —
l.c.l. dlvd.....lb. .07¾- —
lead free.....lb. .07½- —
l.c.l., dlvd.....lb. .07¾- —
bbls., c.l., dlvd....lb. .07½- —
l.c.l. dlvd.....lb. .07¾- —

—Continued on page 48

Synthetic Resins and other Branded Paint Materials (Manufacturers' List Prices)

A

Abalyn (methyl abietate), c.l., returnable black iron dms., f.o.b. cars, destination, zone 1..lb. .0722- —
l.c.l., lots of 10 dms., same basis..lb. .0647- —
single dms., same basis.....lb. .0647- —
smaller lots, same basis....lb. .1447- —
Arochors, distilled, dms., c.l., works..lb. .23 - —
ton lots, works.....lb. .25 - —
single dms., works.....lb. .27 - —
undistilled, dms., c.l., works..lb. .18 - —
ton lots, works.....lb. .20 - —
single dms., works.....lb. .22 - —

B

Bakelite, alkyd resins, BR, 10022, bbls., 30,000 lbs., works..lb. .28 - —
15,000 lbs., works.....lb. .28½- —
5,000 lbs., works.....lb. .29 - —
carbic anhydride base, oil modified, BR, 14590, 30,000 lbs., works..lb. .26 - —
15,000 lbs., works.....lb. .26½- —
5,000 lbs., works.....lb. .27 - —
resin modified BR., 13202, bbls., lbs., works..lb. .15 - —
15,000 lbs., works.....lb. .15½- —
5,000 lbs., works.....lb. .16 - —
dispersion resin, BK, 3962, dms., 30,000 lbs. works..lb. .2770- —
15,000 lbs., works.....lb. .2820- —
5,000 lbs., works.....lb. .2870- —
lacquer, BR, 9366, dms., 30,000 lbs., works..lb. .18½- —
15,000 lbs., works.....lb. .19 - —
5,000 lbs., works.....lb. .19½- —
XJ, 10433, dms., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .37½- —
5,000 lbs., works.....lb. .38 - —
XK, 14504 dms., 30,000 lbs., works..lb. .33 - —
15,000 lbs., works.....lb. .33½- —
5,000 lbs., works.....lb. .34 - —
single dm., works.....lb. .34½- —
less than dm, works..lb. .35½- —
lb. .38½- —
XR, 3190, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .45½- —
5,000 lbs., works.....lb. .46 - —
HR, 4357, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .45½- —
5,000 lbs., works.....lb. .46 - —
phenolic, 100%, BR, 254, bbls., 30,000 lbs., works..lb. .33 - —
15,000 lbs., works.....lb. .33½- —
5,000 lbs., works.....lb. .34 - —
3360, bbls., 30,000 lbs., works..lb. .36 - —
15,000 lbs., works.....lb. .36½- —
5,000 lbs., works.....lb. .37 - —
4036, bbls., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .37½- —
5,000 lbs., works.....lb. .38 - —
9432, bbls., 30,000 lbs., works. lb. .31 - —
15,000 lbs., works.....lb. .31½- —
5,000 lbs., works.....lb. .32 - —
9434, bbls., 30,000 lbs., works..lb. .25½- —
15,000 lbs., works.....lb. .26 - —
5,000 lbs., works.....lb. .26½- —
10282, bbls., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works.....lb. .32½- —
5,000 lbs., works.....lb. .33 - —
14634, bbls., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works.....lb. .30½- —
5,000 lbs., works.....lb. .31 - —
oil modified, BR, 302, bbls., 30,000 lbs., works..lb. .3460- —
15,000 lbs., works.....lb. .3510- —
5,000 lbs., works.....lb. .3560- —
2175, cns., 30,000 lbs., works..lb. .38 - —
15,000 lbs., works.....lb. .38½- —
5,000 lbs., works.....lb. .39 - —
resin modified, BR., 2903, bbls., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23 - —
11504, bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works.....lb. .18½- —
5,000 lbs., works.....lb. .19 - —

C

"Cumar" resin, AX, drums..lb. .06¼- —
BX .....lb. .06¼- —
CX, gross weight.....lb. .05¾- —
DX, gross weight.....lb. .05¼- —
EX, gross weight.....lb. .06¼- —
FX, gross weight.....lb. .05¾- —
Cumar, MH col. 1.....lb. .11¾- —
1½-2 .....lb. .10¾- —
2½-3½ .....lb. .09¾- —
5 .....lb. .06½- —
MS .....lb. .10¾- —
Cumar, P 10°-90° C., col 2½ and darker..lb. .10¾- —
RH .....lb. .10¾- —
RS .....lb. .10¾- —
V col. ½.....lb. .12¾- —
1 .....lb. .11¾- —
1½-2 .....lb. .10¾- —
2½ and darker.....lb. .09¾- —
W col. ½.....lb. .13½- —
1 .....lb. .12½- —
1½-2 .....lb. .11½- —
2½ and darker.....lb. .10¾- —
BX, drums.....lb. .06¾- —
Cumar, P 10°-90° C., col. 2½ and darker..lb. .10¾- —

"Cumar" resin prices, hitherto based on non-turnable drum containers, are now largely based on fiber drums. All "P" grades with melting point below 50 degrees, including P10, P25 and P35, are still shipped in steel drums; so are the AX and BX grades. But all others are now being shipped in fiber drums, without any revision in prices, which are on a basis of f.o.b. plant at Frankford, Pa., freight equalized with Pittsburgh.

D

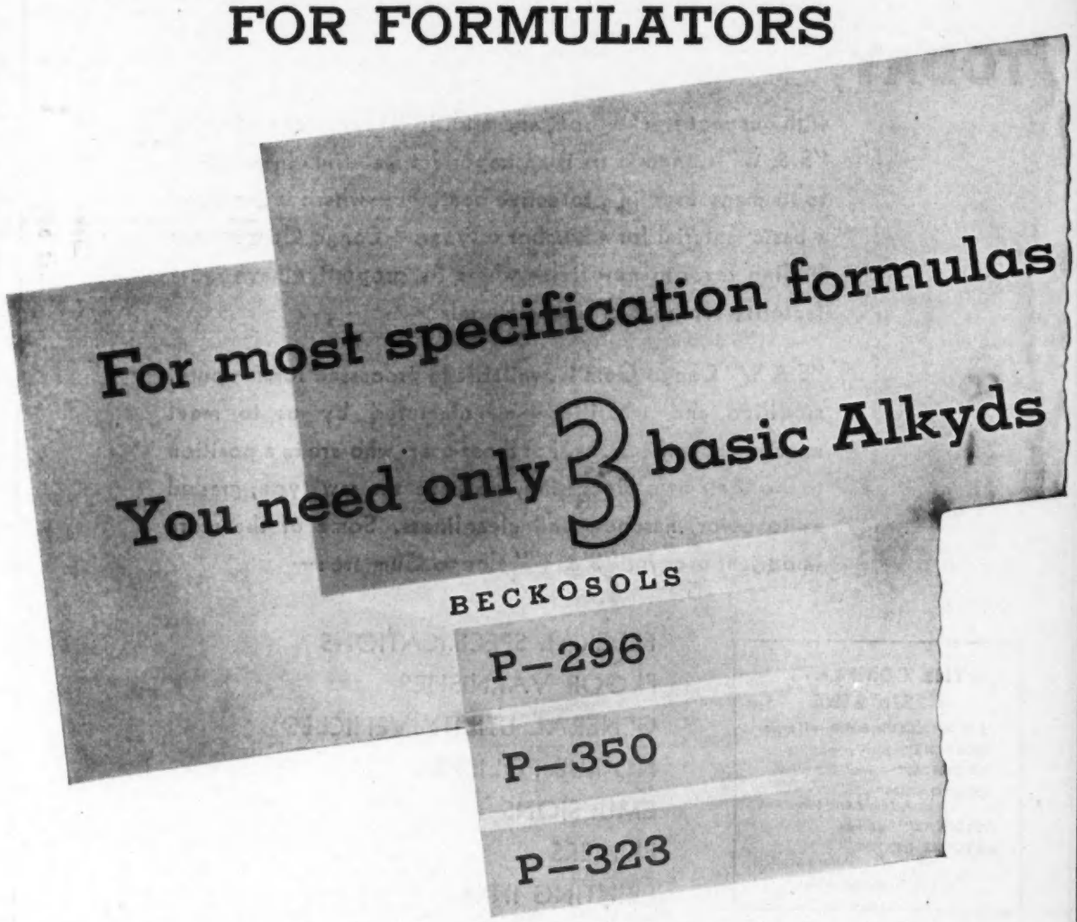
Durite, 1301, pale, one drum and over..lb. .29 - —
smaller lots.....lb. .30 - —
Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, alkyd solution, A, c.l., dlvd..lb. .15½- —
10 dms. or more, dlvd....lb. .16 - —
9 dms. or less, dlvd....lb. .16½- —
B, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
E, c.l., dlvd.....lb. .16 - —
10 dms. or more, dlvd....lb. .16½- —
9 dms. or less, dlvd....lb. .17 - —
H-1, c.l., dlvd.....lb. .19 - —
10 dms. or more, dlvd....lb. .19½- —
9 dms. or less, dlvd....lb. .20 - —
PV, c.l., dlvd.....lb. .16¾- —
10 dms. or more, dlvd....lb. .17¼- —
9 dms. or less, dlvd....lb. .17¾- —
11, c.l., dlvd.....lb. .16 - —
10 dms. or more, dlvd....lb. .16½- —
9 dms. or less, dlvd....lb. .17 - —
22, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .14 - —
22-B, c.l., dlvd.....lb. .10½- —
10 dms. or more, dlvd....lb. .11 - —
9 dms. or less, dlvd....lb. .11½- —
33, c.l., dlvd.....lb. .15½- —
10 dms. or more, dlvd....lb. .16 - —
9 dms. or less, dlvd....lb. .16½- —
44, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
44-B, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
55, c.l., dlvd.....lb. .15½- —
10 dms. or more, dlvd....lb. .16 - —
9 dms. or less, dlvd....lb. .16½- —
562, c.l., dlvd.....lb. .16½- —
10 dms. or more, dlvd....lb. .17 - —
9 dms. or less, dlvd....lb. .17½- —
640-N, c.l., dlvd.....lb. .15½- —
10 dms. or more, dlvd....lb. .16 - —
9 dms. or less, dlvd....lb. .16½- —
660-N, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
750, c.l., dlvd.....lb. .16½- —
l.c.l., dlvd.....lb. .17 - —
830, c.l., dlvd.....lb. .17 - —
10 dms. or more, dlvd....lb. .17¼- —
9 dms. or less, dlvd....lb. .18 - —
1800, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —

RCI FACTS

FOR FORMULATORS



Out of RCI's work for the government has come a valuable money-saving idea for paint formulators—applicable to nearly every kind of order they will receive today and in the foreseeable future. RCI research has established the fact that just three alkyd resins—Beckosols P-296, P-323 and P-350—alone or in combination allow sufficient flexibility to meet most government specifications! Moreover, *these are the three lowest-priced pure alkyds in the Beckosol line.* Further information, together with a list of the specifications which this trio adequately fulfills will be sent immediately on request.

REICHHOLD CHEMICALS, INCORPORATED
DETROIT, MICHIGAN
Synthetic Resins . . . Chemical Colors
Chemurgic Rubber . . . Industrial Chemicals

1835, c.l., dlvd.....lb. .17½- -
10 dms. or more, dlvd....lb .18 - -
9 dms. or less, dlvd....lb. .18½- -
2135, c.l., dlvd.....lb. .15 - -
10 dms. or more, dlvd....lb. .15½- -
9 dms. or less, dlvd....lb. .16 - -
2195, c.l., dlvd.....lb. .16 - -
10 dms. or more, dlvd....lb. .16½- -
9 dms. or less, dlvd....lb. .17 - -
2600, c.l., dlvd.....lb. .15 - -
10 dms. or more, dlvd....lb. .15½- -
9 dms. or less, dlvd....lb. .16 - -
2625, c.l., dlvd.....lb. .14½- -
10 dms. or more, dlvd....lb. .15 - -
9 dms. or less, dlvd....lb. .15½- -
2728, c.l., dlvd.....lb. .16 - -
10 dms. or more, dlvd....lb. .16½- -
9 dms. or less, dlvd....lb. .17 - -
2775-B8, c.l., dlvd.....lb. .15 - -
10 dms. or more, dlvd....lb. .15½- -
9 dms. or less, dlvd....lb. .16 - -
4040, c.l., dlvd.....lb. .15 - -
10 dms. or more, dlvd....lb. .15½- -
9 dms. or less, dlvd.....lb. .16 - -

F

Flexalyn solution, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1.....lb. .1222- -
l.c.l., 10 dms., same basis..lb. .1297- -
single dms., same basis...lb. .1447- -
smaller lots, same basis..lb. .1947- -
Flexalyn C solution, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1..lb. .1147- -
10 dms., same basis.....lb. .1222- -
single dms., same basis...lb. .1372- -
smaller lots, same basis...lb. .1873- -

G

G. resin, dms., gross weight, works..lb. .08 - -
Gual-a-phene, 10-gal. cns., works, gal. 2.37 - -
5-gal. cns., works.....gal. 2.42 - -
1-gal. cns., works.....gal. 2.82 - -
4ms. (dm. deposit $6.00), works, gal. 2.47 -

H

Hercolyn (hydrogenated methyl abietate), returnable black iron dms., c.l., f.o.b. cars, destination, zone 1..lb. .1122- -
l.c.l., lots of 10, same basis.lb. .1247- -
single dms., same basis...lb. .1347- -
smaller lots, same basis.lb. .1847- -

K

Kadox (zinc oxide), East of Pacific Coast:—
Nos. 15, 17 and 72, bgs., c.l., dlvd. .....lb. .07½- -
Nos. 15, 17 and 72, bbls., c.l., dlvd. .....lb. .07½- -
l.c.l., dlvd., bgs.....lb. .07½- -
l.c.l., dlvd., bbls.....lb. .07¾- -
No. 25, bgs., c.l., dlvd....lb. .08½- -
bbls., c.l., dlvd.....lb. .08¾- -
l.c.l., bgs., dlvd.....lb. .09¾- -
l.c.l., bbls., dlvd.....lb. .09 - -
Pacific Coast prices ½c. per lb. higher; l.c.l. prices ex warehouse.
Krumbhaar, Maleic 404, 1 to 9 dms..lb. .17½- -
10 dms.....lb .17 - -
carloads or truckloads...lb. .16½- -
Maleic 414, 1 to 9 drums..lb. .17½- -
10 drums.....lb. .17 - -
carloads or truckloads....lb. .16½- -
Phenolic, 100% pure No. 1010, 1 to 9 drums..lb. .36 - -
10 drums .....lb. .35½- -
carloads or truckloads....lb. .35 - -
Phenolic 506, 1 to 9 drums..lb. .17½- -
10 drums.....lb. .17 - -
carloads or truckloads....lb. .16½- -
Phenolic 535, 1 to 9 drums..lb. .17½- -
10 drums.....lb. .17 - -
carloads or truckloads....lb. .16½- -
Synthetic Copal 905, 1 to 9 drums..lb. .19½- -
10 drums.....lb. .19 - -
carloads and truckloads....lb 18½- -

L

Lewisol resin, 2 L, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1.....lb. .16½- -
l.c.l., 10 dms., same basis..lb. .17 - -
1 dm., same basis.....lb. .17½- -
smaller lots, same basis....lb. .22½- -
Lewisol resin 28, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1.....lb. .16½- -
10 dms., same basis.....lb. .17 - -
1 dms., same basis.....lb. .17½- -
smaller lots, same basis....lb. .22½- -
33, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .16½- -
10 dms., same basis.....lb. .17 - -
1 dm., same basis.....lb. .17½- -
smaller lots, same basis....lb. .22½- -
Lewisol resin prices are f.o.b. cars, New England States, Middle Atlantic States, Va., W.Va., N.C., Ky., Ohio, Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo. Cost of non-returnable dms. is included in the price in each instance.
LM-Nypene resin, dms., works.lb. .25 - -

M

Myristilene, f.o.b., Boston, 400 lbs., dms..lb. .20 - -
same basis, 200 lb. dms....lb. .23 - -
50 lb. dms.....lb. .25 - -
10 lb. cns.....lb. .30 - -
2 lb. samples.....lb. .45 - -

N

Neo-fat fatty acid, 3-R, dms., c.l., dlvd..lb. .13½- -
17, dms., c.l., dlvd.....lb. .12¾- -
19, dms., c.l., dlvd.....lb. .16¾- -
drying oil, 170, dms., c.l., dlvd., lb. .14¾- -
190, dms., c.l., dlvd.....lb. .18¾- -
290, dms., c.l., dlvd.....lb. .20¾- -
Neo-fat prices are ½c. per lb. higher in all states west of the Rocky Mountains and ½c. per lb. higher in Texas and Oklahoma.

Nevillac, pale, hard, dms., works, lb. .19 - -
color 1-2, melting point 85-95°C., drums, works..lb. .19 - -
hard, color 2-½-4, melting point 85-95°C., same basis.....lb. .17 - -
soft, color 2-½-4, melting point 65-75°C., same basis.....lb. .17 - -
10 C, color ¼-1, same basis..lb. .24 - -
LX-488, same basis.....lb. .23 - -
Neville resin, R-1 nevindene, col. ⅛, dms., works..lb. .13½- -
R-3, nevindene, col. 1, dms., works..lb. .13½- -
R-5, nevindene, col. 1½-2, dms., works..lb. .11½- -
R-6, nevindene, col. 2¼-3½, dms., works..lb. .10½- -
R-7, N.P.S., col. below 3, dms., works..lb. .13¾- -
R-8, N.P.S., col. below 3, dms., works..lb. .13½- -
R-9, hard, col. ½, dms., works..lb. .13¾- -
R-10, hard, col. 1, dms., works..lb. .11¾- -
Neville resin, R-11, hard, col. 1½-2, dms., works.....lb. .10¾- -
R-12, hard, col. 2¼-3½, dms., works..lb. .09¾- -
R-13, medium, col. ½, dms., works..lb. .13¾- -
R-14, medium, col. 1, dms., works..lb. .11¾- -
R-15, medium, col. 1½-2, dms., works..lb. .10¾- -
R-16, medium, col. 2¼-4, dms., works..lb. .09¾- -
R-16A, medium, col. 7-10, dms., works..lb. .08¾- -
R-17, medium soft, col. 2¼-3, dms., works..lb. .10¾- -
R-19, medium soft, col. 3½-8, dms., works..lb. .10¾- -
R-21, soft, col. 3¼-8, dms., works..lb. .10¾- -
R-23, special, soft, col. 3¼-8, dms., works..lb. .10¾- -
R-27, medium soft, col. 1, dms., works..lb. .13¾- -
R-28, medium soft, col. 1½-2, dms., works..lb. .13¾- -
R-29, medium soft, col. 2¼-3, dms., works..lb. .10¾- -
405, 110-125° C., dms., gross weight, f.o.b. Pittsburgh, lb. .08½- -

Neville resin prices, except 405 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per pound additional, f.o.b. Neville Island, Pa.

Nevinol, dms., works.....lb. .13 - -
No. 2 oil, heavy, rfd., dms., works..lb. .12 - -
Nevtex, 10, returnable dms., works..lb. .08 - -
90, returnable dms., works.. lb. .20 - -
Nuba, 1, 80-95° C., dms., gross weight, works..lb. .0290- -
2, 100-125° C., dms., gross weight, works..lb. .0290- -
3x, 135-150° C., dms., gross weight, works..lb. .04¼- -
Nuodex drier, cobalt, 6%, 400-lb. pkgs..lb. .31¼- -
11¼%, 100-lb. pkgs.....lb. .37 - -
iron, 6%, 400-lb. pkgs.....lb. .15¼- -
11%, 100-lb. pkgs.....lb. .26 - -
lead, 24%, 450-lb. pkgs.....lb. .14¼- .15½
32%, 450-lb. pkgs.....lb. .18¾- -
24%, 100-lb. pkgs.....lb. .19¼- -
40%, 100-lb. pkgs.....lb. .28 - -
lead 30%, cobalt 2%, 150-lb. pkgs..lb. .33 - -
lead 30%, manganese 3%, 150-lb. pkgs..lb. .25 - -
manganese 6%, 400-lb. pkgs.. lb. .16¼- -
10¼%, 100-lb. pkgs.....lb. .27¼- -
zinc, 8%, 400-lb. pkgs.....lb. .16¼- -
10%, 400-lb. pkgs.....lb. .19¾- -
12%, 100-lb. pkgs.....lb. .23 - -

All prices are f.o.b. customers' plants, east of Denver.

Nypene resin (see LM-Nypene resin, under L listings).

P

Palmalene, f.o.b., Boston, 400 lb. dms..lb. .15 - -
same basis, 200 lb. dms....lb. .18 - -
60 lb. dms.....lb. .20 - -
10 lb. cns.....lb. .25 - -
2 lb. laboratory containers, lb. .40 - -
Paradene, No. 1, 75-90° C., dms., gross wt., works..lb. .05¼- -
2, 100-124° C., dms., gross wt., works..lb. .05¼- -
3, 125-140° C., dms., gross wt., works..lb. .05¾- -

Paradene prices are freight equalized with Philadelphia, Pa.

Paradura resin, grade AV, c.l., dlvd..lb. .28 - -
10 pkgs. or more, dlvd....lb. .29 - -
9 pkgs. or less, dlvd.....lb. .30 - -
C, c.l., dlvd.....lb. .33 - -
10 pkgs. or more, dlvd.....lb. .34 - -
9 pkgs. or less, dlvd.....lb. .35 - -
16-P, c.l., dlvd.....lb. .35 - -
10 pkgs. or more, dlvd.....lb. .36 - -
9 pkgs. or less, dlvd.....lb. .37 - -
46, c.l., dlvd.....lb. .22½- -
10 pkgs. or more, dlvd.....lb. .23 - -
9 pkgs. or less, dlvd.....lb. .23½- -
273, c.l., dlvd.....lb. .23 - -
10 pkgs. or more, dlvd.....lb. .24 - -
9 pkgs. or less, dlvd.....lb. .25 - -
307, c.l., dlvd.....lb. .35 - -
10 pkgs. or more, dlvd.....lb. .36 - -
9 pkgs. or less, dlvd.....lb. .37 - -
540, c.l., dlvd.....lb. .35 - -
10 pkgs. or more, dlvd.....lb. .36 - -
9 pkgs. or less, dlvd.....lb. .37 - -
Paranol resin, extra hard, No. 1, c.l., dlvd..lb. .15 - -
10 pkgs. or more, dlvd.....lb. .15½- -
9 pkgs. or less, dlvd.....lb. .16 - -
Extra hard, No. 3, c.l., dlvd.lb. .14 - -
10 pkgs. or more, dlvd. ..lb. .14½- -
9 pkgs. or less, dlvd .....lb. .15 - -
Hard, No. 1, c.l., dlvd.....lb. .13½- -
10 pkgs. or more, dlvd....lb. .14 - -
9 pkgs. or less, dlvd.....lb. .14½- -
No. 2, c.l., dlvd.....lb. .12½- -
10 pkgs. or more, dlvd....lb. .13 - -
9 pkgs. or less, dlvd.....lb. .13½- -
25, c.l., dlvd.....lb. .12½- -
10 pkgs. or more, dlvd....lb. .13 - -
9 pkgs. or less, dlvd.....lb. .13½- -
35, light, c.l., dlvd.....lb. .13 - -
10 pkgs. or more, dlvd.....lb. .13½- -
9 pkgs. or less, dlvd.....lb. .14 - -
54-E, c.l., dlvd.....lb. .16¼- -
10 pkgs. or more, dlvd....lb. .17 - -
9 pkgs. or less, dlvd.....lb. .17½- -
100, c.l., dlvd.....lb. .17 - -
10 pkgs. or more, dlvd.....lb. .17½- -
9 pkgs. or less, dlvd.....lb. .18 - -
105-B, c.l., dlvd.....lb. .13 - -
10 pkgs. or more, dlvd.....lb. .13½- -
9 pkgs. or less, dlvd.....lb. .14 - -

"S & W" Congo Gum

TODAY,

with our spot stocks good, and additional supplies available, "S & W" Congo Gum is an important material. In addition to its many uses in protective coatings—where it has been a basic material for a number of years—Congo Gum is now finding favor in new fields where its properties have satisfactorily replaced critical materials.

"S & W" Congo Gum is available in processed form—pure, modified and esterified—manufactured by us to meet exacting specifications. For those users who are in a position to do their own processing, we have the raw type, graded as to color, hardness and cleanliness. Some of the more important uses for "S & W" Congo Gum are:—

THE COMPLETE RESIN LINE

"S & W" ESTER GUM—*all types*
"AROFENE"—*pure phenolics*
"AROCHEM"*—*modified types*
"CONGO GUM"—*raw, fused and esterified*
"AROPLAZ"*—*alkyds*
NATURAL RESINS—*all standard grades*
*Reg. U.S. Patent Office

FEDERAL SPECIFICATIONS
FLOOR VARNISHES
GENERAL UTILITY VEHICLES
NO-RUB POLISHES
EMULSIONS
PRIMERS
PRINTING INKS
CAMOUFLAGE PAINTS
TRAFFIC PAINTS
OTHER SPECIALIZED USES

Samples and technical data available upon request

STROOCK & WITTENBERG CORP.
60 EAST 42nd STREET NEW YORK, N. Y.

Paranol resin, hard, 200, c.l., dlvd..lb. .17½- —
10 pkgs., dlvd.....lb. .18 - —
9 pkgs., dlvd.....lb. .18½- —
500, hard, c.l., dlvd.....lb. .14½- —
10 pkgs. or more, dlvd.....lb. .15 - —
9 pkgs. or less, dlvd.....lb. .15½- —
extra hard, c.l., dlvd.....lb. .17 - —
500, extra hard, 10 pkgs. or more, dlvd.....lb. .17½- —
9 pkgs. or less, dlvd.....lb. .18 - —
800, extra light, c.l., dlvd....lb. .15 - —
10 pkgs. or more, dlvd.....lb. .15½- —
9 pkgs. or less, dlvd.....lb. .16 - —
800, dark, c.l., dlvd.....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
850, c.l., dlvd.....lb. .15 - —
10 pkgs. or more, dlvd.....lb. .15½- —
9 pkgs. or less, dlvd.....lb. .16 - —
1600, c.l., dlvd.....lb. .14½- —
10 pkgs. or more, dlvd.....lb. .15 - —
9 pkgs. or less, dlvd.....lb. .15½- —
1700, c.l., dlvd.....lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs. or less, dlvd.....lb. .17 - —
1750, c.l., dlvd.....lb. .15 - —
10 pkgs. or more, dlvd.....lb. .15½- —
9 pkgs. or less, dlvd.....lb. .16 - —
1855, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
3046-C, c.l, dlvd.....lb. .22½- —
10 pkgs, or more, dlvd.....lb. .23 - —
9 pkgs, or less ,dlvd.....lb. .23½- —
3101, c.l., dlvd.....lb. .15⅝- —
10 pkgs, or more, dlvd.....lb. .16¼- —
9 pkgs, or less, dlvd.....lb. .16⅝- —
3645, c.l., dlvd.....lb. .15 - —
10 pkgs. or more, dlvd.....lb. .15½- —
9 pkgs. or less, dlvd.....lb. .16 - —

Pentalyn A, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .13 - —
l.c.l., 10 dms., same basis..lb. .13½- —
single dms., same basis..lb. .14 - —
smaller lots, same basis..lb. .19 - —
G, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .14½- —
l.c.l., 10 dms., same basis. lb. .15 - —
single dms., same basis..lb. .15½- —
smaller lots, same basis..lb. .20⅛- —

Phenester, color 3½-5, dms., works, lb. .17 - —
P.H.O., dms., works.....lb. .24 - —
Pilolite, powder, ton lots, works, lb. .66 - —
smaller lots, works.....lb. .69 - .74
resin, clear, ton lots, works, lb. .75 - —
smaller lots, works.....lb. .79 - .84
No. 20, ton lots, works.....lb. .75 - —
smaller lots, works.....lb. .79 - .84
No. 40, ton lots, works.....lb. .75 - —
smaller lots, works.....lb. .79 - .84

R

Resinous oil, No. XI, returnable dms., works..lb. .0180- —

S

Staybelite ester, No. 1, non-returnabl efiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .17½- —
10 dms., same basis.....lb. .18¼- —
1 dm., same basis.....lb. .19⅞- —
smaller lots, same basis....lb. .24¼- —
No. 2, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1.....lb. .1824- —
10 dms., same basis.....lb. .19 - —
1 dm., same basis.....lb. .199 - —
smaller lots, same basis....lb. .249 - —
No. 3, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1..lb. .1974- —
10 dms., same basis.....lb. .2049- —
1 dm., same basis.....lb. .2149- —
smaller lots, same basis....lb. .2649- —
No. 10, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .14½- —
10 dms., same basis.....lb. .14⅞- —
1 dm., same basis.....lb. .16 - —
smaller lots, same basis....lb. .20 - —
Surfex, bgs., c.l., f.o.b. Painesville, Ohio..ton.27.50 - —
BB, bgs., c.l., same basis..ton.32.00 - —
MM, bgs., c.l., same basis..ton.36.00 - —
Syntex, priority alkyd resins, No.
H-12, c.l.....100 lbs.16.00 - —
l.c.l.....100 lbs.16.50 - —
18, c.l.....100 lbs.17.25 - —
l.c.l.....100 lbs.17.50 - —
19-C, c.l.....100 lbs.13.00 - —
l.c.l.....100 lbs.13.50 - —
22, c.l.....100 lbs.15.50 - —
l.c.l.....100 lbs.16.00 - —
23, c.l.....100 lbs.14.00 - —
l.c.l.....100 lbs.14.50 - —
23-5D, c.l.....100 lbs.11.00 - —
l.c.l.....100 lbs.11.50 - —
28, c.l.....100 lbs.17.50 - —
l.c.l.....100 lbs.18.00 - —
32, c.l.....100 lbs.14.75 - —
l.c.l.....100 lbs.15.25 - —
115, c.l.....100 lbs.12.25 - —
l.c.l.....100 lbs.12.75 - —
121, c.l.....100 lbs.16.75 - —
l.c.l.....100 lbs.17.25 - —
1922, c.l.....100 lbs.15.75 - —
l.c.l.....100 lbs.16.25 - —
1978, c.l.....100 lbs.18.50 - —
l.c.l.....100 lbs.19.00 - —
1980, c.l.....100 lbs.15.75 - —
l.c.l.....100 lbs.16.25 - —
1982, c.l.....100 lbs.13.50 - —
l.c.l.....100 lbs.14.00 - —
1984-A c.l.....100 lbs.26.50 - —
l.c.l.....100 lbs.27.00 - —
non-priority resins, No. 43, c.l. 100 lbs.16.50 - —
l.c.l.....100 lbs.17.00 - —
44, c.l.....100 lbs.18.00 - —
l.c.l.....100 lbs.18.50 - —
H-3, c.l.....100 lbs.15.25 - —
l.c.l.....100 lbs.15.75 - —
H-3, pale, c.l.....100 lbs.15.25 - —
l.c.l.....100 lbs.15.75 - —
H-6, c.l.....100 lbs.14.50 - —
l.c.l.....100 lbs.15.00 - —
161 base, c.l.....100 lbs.30.50 - —
l.c.l.....100 lbs.31.00 - —
164 base, c.l.....100 lbs.20.50 - —
l.c.l.....100 lbs.21.00 - —
101 base, c.l.....100 lbs.16.25 - —
l.c.l.....100 lbs.16.75 - —
102 base, c.l.....100 lbs.14.00 - —
l.c.l.....100 lbs.14.50 - —
2055 base, c.l.....100 lbs.20.00 - —
l.c.l.....100 lbs.20.50 - —

Syntex prices are f.o.b. Louisville, Ky., freight prepaid and allowed to destinations in New England, the Middle Atlantic States, Va., N. C., S. C., W. Va., Ohio, Ky., Tenn., Ind., Ill., Mich., Wis., Iowa and Mo. and the cities of Minneapolis and St. Paul, Minn.; Duluth, Minn.; Atlanta, Ga.; Omaha and Lincoln, Neb., and Montreal and Toronto, Canada. For shipment to other points East of the Rockies and not listed above add 1c. per pound. For shipments direct to West Coast points add 2c. per lb. to the less than carload lots prices; for carloads add ½c. per lb. to carload prices. The above prices do not include the cost of drums, which remain the property of the manufacturer. Syntex resins and solutions may be assorted to get quantity prices. For shipment in 5-gallon pails, add 3c. per lb. for solid resins and 2c. per lb. for resin solutions.

V

Vanadiset resin, dlvd. Balto.-Washington area, contract, 26-1000 tons per month..ton.29.00 -41.40
spot, 1-25 tons per shpt...ton.51.40 -63.00
under 1 ton per shpt....ton.83.00 - —
Southern New Jersey, East Pa., Del., contract, 26-1000 tons per month..ton.28.60 -41.00
spot, 1-25 tons per shpt...ton.50.00 -62.00
under 1 ton per shpt....ton.82.00 - —
26-1000 tons per month...ton.28.60 -41.00
spot, 1-25 tons per shpt...ton.54.00 -66.00
under 1 ton per shpt....ton.86.00 - —
Greater N. Y., North N. J., Conn., contract, 26-1000 tons per month..ton.28.60 -40.00
spot, 1-25 tons per shpt...ton.48.00 -60.00
under 1 ton per shpt....ton.80.00 - —
Ill., Ky., Tenn., Carolinas, Georgia, Missouri, 26-1000 tons per month..ton.33.60 -43.00
spot, 1-25 tons, per shpt...ton.55.00 -67.80
under 1 ton per shpt....ton.87.80 - —
Iowa, Wis., Minn., Florida, Alabama, Mississippi, contract, 26-1000 tons per month..ton.33.60 -43.00
spot, 1-25 tons, per shpt...ton.56.00 -68.80
under - ton per shpt....ton.88.80 - —
New England (except Conn.), contract, 26-1000 tons per month..ton.29.00 -42.00
spot, 1-25 tons per shpt...ton.53.00 -62.80
under 1 ton per shpt....ton.82.00 - —
Louisiana, Arkansas, Oklahoma, Texas, Colorado, Nebraska, Kansas, Dakotas, contract, 26-1000 tons per month..ton.36.00 -46.00
spot, 1-25 tons per shpt...ton.60.00 -80.00
under 1 ton per shpt....ton.90.00 - —
N. Y. State, Penna. (W. of Harrisburg), Western Maryland, contract, 26-1000 tons per month..ton.30.00 -41.00
spot, 1-25 tons per shpt...ton.53.00 -65.80
under 1 ton per shpt....ton.85.80 - —
Ohio, Mich., Ind., W. Va., Va., contract, 26-1000 tons per month..ton.31.00 -39.60
spot, 1-25 tons per shpt...ton.54.00 -64.00
under 1 ton per shpt....ton.84.00 - —
Pacific Coast States, Arizona, New Mexico, Utah, Nevada, Idaho, Montana, Wyoming and Canada, (except Windsor to Montreal), contract, 26-1000 tons per month....ton.48.00 -57.00
spot, 1-25 tons per shpt...ton.70.00 -82.00
under 1 ton per shpt....ton.94.00 - —
"Vinylseal" adhesive solutions, vinylite resin AYAB, 69-72% by weight, solution in acetone, A-70, drum lots, f.o.b. South Charleston, W. Va... gal. 2.75 - —
less than drum lots, same basis..gal. 3.00 - —
Vinylite resin AYAF, 35% by weight, solution in acetone, A-35, drum lots, same basis. gal. 2.10 - —
less than drum lots, same basis..gal. 2.50 - —
modified, vinyl acetate resin, 24.5% by weight, solution in toluene, T-24-9, 20-drum lots, same basis..gal. 2.00 - —
drum lots, same basis....gal. 2.25 - —
less than drum lots, same basis..gal. 2.50 - —
modified vinyl acetate resin, 28% by weight, solution in 82% methyl acetate, MA 28-14, MA 28-18, 20-drum lots, same basis..gal. 2.15 - —
drum lots, same basis....gal. 2.40 - —
less than drum lots.....gal. 2.65 - —
All "Vinylseal" containers except 1-gal. size are returnable. Extra charge of 40c for 1-gal. containers; 55-gal. drums are valued at $5 each.
vinyl chloride-acetate, VYLF, VYHN, BYNW, powdered, c.l. (30,000 lbs.), paper bags, f.o.b. cars, South Charleston, W. Va.....lb. .48 - —
10,000 to 29,999 lbs., same basis..lb. .50 - —
2,000 to 9,999 lbs, same basis lb. .52½- —
200 to 1,999 lbs, same basis. lb. .55 - —
1 to 199 lbs., same basis.lb. .65 - —
VYNS, c.l. (30,000 lbs.), paper bags, same basis.lb. .68 - —
10,000 to 29,999 lbs., same basis..lb. .70 - —
2,000 to 9,999 lbs., same basis..lb. .72½- —
200 to 1,999 lbs., same basis. lb. .75 - —
1 to 199 lbs., same basis.lb. .85 - —
modified vinyl chloride-acetate, VMCH, powdered, c.l. (30,000 lbs.), paper bags, same basis..lb. .68 - —
10,000 to 29,999 lbs., same basis..lb. .70 - —
2,000 to 9,999 lbs., same basis..lb. .72½- —
200 to 1,999 lbs., same basis. lb. .75 - —
1 to 1,199 lbs., same basis.lb. .85 - —
vinyl acetate resins, AYAB, lumps (in fiber drums at option of seller); AYAA, AYAF, AYAT, granular (in paper bags only), f.o.b. cars South Charleston, W. Va., freight paid to destination E. of Mississippi river, c.l. (30,000 lbs.).....lb. .40 - —
2,000 to 9,999 lbs., same basis lb. .43 - —
200 to 1,999 lbs., same basis.. lb. .45 - —
1 to 199 lbs., same basis.lb. .60 - —
vinyl chloride resins, QYNA, powdered, c.l. (30,000 lbs.), paper bags, f.o.b. cars South Charleston, W. Va..lb. .48 - —
10,000 to 29,999 lbs., same basis..lb. .50 - —
2,000 to 9,999 lbs., same basis lb. .52½- —
200 to 1,999 lbs., same basis. lb. .55 - —
1 to 199 lbs., same basis.lb. .65 - —
vinyl butyral resins, XYHL, XYHM, XYNC, granular, 93.97% solids, prices based on contained solids (in fiber drums at option of seller), 200 to 1,999 lbs., same basis. lb. .85 - —
1 to 199 lbs., same basis.lb. 1.00 - —

Z

Zinlac, orange or white, 50-gal. bbls. .....gal. 1.65 - —
kits (5 gals.).....gal. 1.80 - —
jugs (1 gal.).....gal. 1.90 - —

Industrial Applications of Chemicals and Related Materials

834th Instalment **("Where You Can Sell")**

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(Parenthetic figures are the numbers of patents in the United States or other countries, as designated)

Amylphenol, Paratertiary

(Additional uses — supplementary to information in the book, Uses and Applications of Chemicals and Related Materials — see bottom of fourth column)

Soap

Antioxidant and stabilizer for—
Soap

Benzyl Cinnamate

(Cinnamein)

Cosmetic

Fixative for—
Floral odors used in creams and other cosmetics

Miscellaneous

Organic chemical possessing very little odor

Perfume

Fixative for—
Floral odors in perfumes and toilet waters

Soap

Fixative for—
Floral odors in shampoos, soaps, and other detergent preparations

Cabbageseed Oil

Food

Substitute for—
Olive oil

Miscellaneous

Substitute for—
Olive oil in various applications

Decamethylene Bromide

Chemical

New organic chemical available for experimental use

Diamond

(Additional uses supplementary to those given in OIL, PAINT AND DRUG REPORTER *for May 26, 1941)*

Mechanical

Source material in making—
Diamond-set teeth on circular saws for stone cutting
Phonograph needle points
Pivots and bearings of delicate instruments

Methyl-N-amyl Ketone

Adhesives

Solvent in—
Adhesive compositions containing nitrocellulose

Cellulose Products

Solvent for—
Nitrocellulose

Ceramic

Solvent in—
Coating compositions, containing nitrocellulose, used for protecting and decorating ceramic products

Chemical

Inert reaction medium in manufacture processes
Solvent for—
Nitrocellulose

Cosmetic

Solvent in—
Nail enamels and lacquers containing nitrocellulose as base material

Electrical

Solvent in—
Insulating compositions, containing nitrocellulose, used for covering wire and in making electrical machinery and equipment

Glass

Solvent in—
Compositions, containing nitrocellulose, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware

Leather

Solvent in—
Compositions, containing nitrocellulose, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods

Metal Fabricating

Solvent in—
Coating compositions, containing nitrocellulose, used for protecting and decorating metallic articles

Miscellaneous

Solvent in—
Coating compositions, containing nitrocellulose, used for protecting and decorating articles of various compositions

Paint, Varnish, and Lacquer

Solvent in—
Paints, varnishes, lacquers, enamels, and dopes containing nitrocellulose

Paper

Solvent in—
Compositions, containing nitrocellulose, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper and pulp

Photographic

Solvent in making—
Films from nitrocellulose

Plastics

Solvent in making—
Laminated fiber products
Molded products
Plastics from nitrocellulose

Resins

Solvent for—
Resin-cellulose derivative compositions and solutions

Rubber

Solvent in—
Coating compositions, containing nitrocellulose, used for decorating and protecting rubber goods

Stone

Solvent in—
Coating compositions, containing nitrocellulose, used for decorating and protecting artificial and natural stone

Textile

Solvent in—
Compositions, containing nitrocellulose, used in the manufacture of coated fabrics

Wood

Solvent in—
Compositions, containing nitrocellulose, used as protective and decorative coatings on woodwork
Plastic compositions, containing nitrocellulose, used for many filling and and repairing purposes on wood

Zinc Hydrosulphite

(Additional uses — supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of fourth column)

Paper

Bleaching agent for which the following claims are made—
Kraft pulp can be brightened to a degree which is almost proportional to the amount of zinc hydrosulphite added, although chlorine is more economical for the lighter yellow shades which require high addition of hydrosulphite
Possible (1) to increase the percentage of groundwood pulp in specialty papers, especially where strength is of no particular consequence; (2) to substitute unbleached for bleached sulphite pulp in mixture with ground wood, owing to the much improved color of the latter
Unbleached sulphite and soda pulp can be touched up by an addition of 0.5 percent to 1 percent of the hydrosulphite
Bleaching agent for—
Groundwood pulp used in making newsprint (used successfully on the Canadian Pacific coast where one of the problems of the production of newsprint arises from the slightly yellow color of groundwood made from Western hemlock, the most common of Western pulping woods)

"And Freedom's banner streaming o'er us"

Oil, Paint & Drug Reporter

Founded October 18, 1871, by William O. Allison
Directed, 1900-1942, by Harry J. Schnell

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Food Problem Is Intense

Everybody knows that the supplying of foods is now the nation's biggest war production problem—transportation, which is the biggest war problem, belongs in the category of distribution. The food industry, therefore, is the most puzzling war industry—and the puzzle's worst tangle is at the farm stage of the industry.

Everybody is contributing something to the efforts to solve the puzzle of adequate food production. Everybody is going at it in a manner and from an angle different from those of everybody else. The Secretary of Agriculture has launched an "incentive" plan in some directions. A New York congressman has put in a bill to suspend farm benefit payments for the duration. Nobody in the panacea brigade recommends that the agricultural industry be treated exactly like every other war industry: only some very few practical economic observers have the courage publicly to declare that if the farmer were compelled to be the same kind of a businessman that the manufacturer must be in his relations with distributor, consumer, and government, everybody, including the farmer, would be the gainer. There is no truer economic pronouncement than that. But, it leaves the farmer's well-paid bleaters and their pap-peddling political puppets wholly out of the picture of his salvation —and that never will do in these parts.

The logic of the politics-bound farm bloc is beyond the comprehension of all who believe in arithmetic, as well as those who think democratically. The bloc's comment on the cabinet agricultural officer's incentive plan is that it must be blocked because it is a subsidy to the consumer and not to the farmer, and would be at the expense of the farmer. The money would be paid to the farmer by the government in order that the consumer might not be compelled to pay excessively for the farmer's product. The consumer may get the subsidy; but the farmer gets the money. In addition he gets the money which the consumer will pay for the greater volume of crops that the government pays him to produce. The only subsidy that the farm bloc will accept is that in the form of payments to farmers for not working to capacity to produce necessary food—those who need the food don't count. As long as they remain complacent to the bloc's existence, that evaluation will be accurate.

The farmer must be helped in his big food job. But, first, the farm bloc must be eliminated.

72d—OPD—Year

The Farmer Must Be Helped

Taking him by and large and as a member of his community and a citizen of the country, the farmer does not need and does not ask for bonuses, subsidies, or political pap to make him do his utmost to fill his job of food-provider for the world's biggest war. His organization leaders and more particularly the sectional, syndical politicians whom he all too frequently helps to put in office, misrepresent him sorely and obnoxiously in the eyes of the public.

The farmer needs working help; and, as has been said herein before, it is the job of other business to get him the help he needs. Much has been done in small communities to provide at least part-time farm workers from the ranks of the community's factory, store, and office personnels and its school children. This plan will have to be built up to its full potentiality in the coming seasons, even if stores and offices must be closed every other day, or at least maintained with skeleton crews—everybody being busy on the farms, customers will be few and far between.

But, this locality relief will not be enough; there must be a national system —and it must be created, applied, and maintained by business: first, because it will work much better that way, and, secondly, because such things as manning the farms of the country are not safely to be entrusted to politicians.

Management and labor of the manufacturing industry and the merchants' organizations of the country must provide the manpower which the nation will need to assure its being adequately fed. This means that factory workers must accept a longer workweek in order that eight men may do the work of ten—and get their pay too. It must also "put the kibosh" on unnecessary absenteeism and dawdling, getting its pay for this in the knowledge that it is doing what is right. Management must use its legs and hands more, getting along with fewer assistant assistants. Store and office selective service deferees must be put to useful work —they are at least 50 percent excessive. Voluntary concentration must reduce manpower needs. And every known loafer must be pressed into farm service.

72d—OPD—Year

Fight or Work

Comes now a clamor that the "older men"—those in the prime years of thirty-eight to forty-five—who are supposed to be relieved from armed service by the enlistment of teen-age striplings, be not required to stay under arms, as army officers are inclined to advocate, if they are not going into defense jobs. The plea is that many of these men cannot get defense jobs because they were clerks, salesmen, even entrepreneurs—all that when, how many millions is it, women are working as welders, drillpress operators, riveters, bomb-loaders, and in a hundred other defense jobs! Who said what about American softness?

The lesson spoken by many a man at the front, of what he has learned about the tragedy of the loafing in airplane, munitions, and other supply plants which once he knew and shared will never get into the adviceproof heads of those who cannot—it is not often that they will not; they are congenitally and environmentally immunized against all possibility of doing so—those who cannot see why war or anything else should shake them out of their customary, unthinking scheme of existence.

It may be that today's boy of eighteen is a better soldier than the man of forty; there are reasons. It may be that the latter, as one of their special pleaders has ingenuously declared, are "demoralizing" the army—they are of that postwar "younger generation" of unfragrant memory. But, they have no claim to a restoration of their unproductive status of yesterday. The war is not over just because of a conference in Casablanca, or even because of the wiping out of hundreds of thousands of nazis along Russia's devastated margin. There is a war to be fought for a long time before it will be a war to be won. All those who can be spared from its fighting must be put to its working; for these both are necessary to its winning.

72d—OPD—Year

Round Up the Quinine

The national quinine pool established by the American Pharmaceutical Association and the Drugs and Cosmetics Section of the Chemical Division of the War Production Board is a war necessity. The purpose of the pool is to collect and make available to the armed forces of the United States and its allies all the quinine which possibly can be got from the stocks of retail drug stores, doctors, hospitals, and other possessors, whatever the size of an individual lot, and whatever the form—powder, capsule, pill, tablet—in which it exists. This quinine is needed for that purpose, along with all other available cinchona alkaloids; and, to the full extent that it can be spared from the civilian malarial needs of the country, it should be contributed.

It is to be hoped that the drug trade and the medical profession will contrive a scheme of collecting and handling contributions of quinine and other cinchona derivatives which will function better than have most of the scrap campaigns similarly necessitated by war's demands. The wholesale druggist and the physicians' supply house have a duty to perform in this connection, because they have representatives in practically constant contact with all potential sources of cinchona contributions.

The idea so far is for voluntary contributions to A.Ph.A. headquarters. Volunteer efforts have not been especially productive in other lines. Boosters, at least, are needed. And no traveling salesman or detail man can serve his country's needs better in any other way than he can by striving to be the champion quinine collector of his house.

OPD—2-1-1943

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Heavy Chemicals

Active War Demand Continues Feature of Heavy Chemicals Market —Business Otherwise Is Spotty — Imports of Antimony From South America Necessary to Meet 1943 Needs

The active demand for materials moving directly or indirectly into the war effort continued last week the dominant feature in the market for heavy chemicals. Otherwise, business for the most part was at best spotty. No price alterations were noted and conditions in general were not materially changed.

According to the Antimony Industry Advisory Committee, antimony supply and requirement figures for 1943 reveal that the United States position with respect to supply of antimony depends upon South American imports. Totals of sure imports and domestic primary and secondary production are slightly less than anticipated requirements, but the addition of South American imports, if they reach expected volume, will provide a surplus of antimony for stockpile. Antimony has become an important war material, its chief uses being as a hardener and stiffener in soft metals, especially lead. Antimony oxide is highly important as a flame-proofer of canvas. Antimony is also used in paints and enamels, bearings, sheathings, and castings for a variety of military purposes. Principal civilian uses are those mentioned, plus type metal.

Paper production, as a percentage of six-day capacity, was 88.0 in the week ended January 23, according to the American Paper and Pulp Association. This compares with 88.0 in the previous week and 105.0 percent a year ago.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
170.2	170.2	170.2	170.1

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows: —

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

Market news that may have developed after this report was sent to press will be found on page 4.

Alumina Hydrate.—Call for material in light volume. WPB allocations rule. Quotations show no change.

Alumina Sulphate.—Call quiet. No change as regards quotations.

Aluminum.—Paste and seed transactions governed by WPB allocations. No change in prices.

Alum, Soda.—Position unaltered. Prices same.

Ammonia, Anhydrous. — Market tone unaltered. Quotations show no change.

Ammonia, Aqua. — New developments lacking. Tone firm.

Ammonia Bicarbonate. — No new features. Prices show no change.

Ammonia Carbonate. — Consumers taking material in fair volume. Prices confirmed.

Ammonia Persulphate. — Position firm. New developments lacking.

Ammoniac, Sal.—Users placing orders at good rate. Price schedules show no change.

Antimony.—Supply for 1943 depends on South American imports, according to WPB's Antimony Industry Advisory Committee. United States supply in 1943 will be slightly larger than 1942, when it was slightly less than 1941. Imports in 1943 will be about 30 percent greater than 1942. During recent peace-time years, United States consumed about two-thirds of total world production of antimony. Current consumption is greater than total normal world output.

Antimony Oxide.—WPB allocations rule. Market steady. See antimony.

Antimony Sulphide. Demand, prices at recent levels. See antimony.

Arsenic Trisulphide.—No new developments from standpoint of demand. Prices unchanged.

Arsenic, White.—Tone firm. Supply and demand situation shows no change.

Barium Carbonate.—Users' needs at fair level. Prices unaltered.

Barium Chlorate.—WPB allocations rule. Tone steady.

Barium Chloride.—Demand spotty. Quotations unaltered.

Bauxite.—Material under WPB allocation control. Prices steadily maintained.

Bleaching Powder.—Demand good. Prices firm.

Calcium Carbide. — Shortages of calcium carbide expected through early part of this year, according to WPB. Drastic cuts in allocations and probable curtailment of small orders may be necessary.

Calcium Chloride.—Movement of material for Winter uses in considerable volume. Supplies tightening. Tone firm.

Carbon Tetrachloride.—Demand active. Prices show no alterations.

Chlorine.—Heavy movement of material into war production channels. Supplies allocated to non-essential users under WPB order. Production heavy but under current needs. Tone very firm.

Chloropicrin. — Position tight but supplies believed reasonable for agriculture for next few months. Quotations hold unchanged.

Chrome Cake.—War Shipping Administration, in rate order No. 158, recently issued, approved following:—From Famagusta, Cyprus, to United States Atlantic and Gulf ports, $28 per ton of 2,240 pounds on chrome ore in bulk.

Cobalt Acetate.—WPB allocations rule. No movements price-wise.

Copper.—No new features in market. Prices show no change.

Copper Oxide.—No new developments as regards both prices and activity.

Copper Sulphate.—Market devoid of new developments. Prices same.

Copperas.—Consumers' takings light. Prices show no alterations.

Cryolite.—Movement of material for insecticidal uses in good volume. Quotations show no change.

Cyanide-Chloride Mixture.—Interest light. Prices steady.

Ethyl Chloride.—No new developments in market. Prices show no fluctuations.

Feldspar.—Good movement of material to glass industry. Market tone very firm.

Ferric Sulphate.—Tone unchanged. Prices same.

Fluorspar.—At least five new producers of metallurgical grade fluorspar expected to come into production this year according to present plans. It is estimated that this should add another 60,000 tons of material to supply available to nation's steel mills. Reports just completed show production of metallurgical grade dropped 15 percent in December from previous months. Prices show no change.

Glauber's Salt.—No change in level of demand. Quotations unaltered.

Lead Acetate.—Consumers' takings light. Prices show no alterations.

Lime. — Peak production from all mills. Demand continues steady and no let-up anticipated. Price situation firm.

Manganese Acetate.—Light inquiry. WPB allocations govern transactions. No movements pricewise.

Nickel Oxide. — Movements governed by WPB allocation order. Material in light demand. Prices show no change.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 9

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Nickel Salt.—Needs remain in small volume. Prices unaltered.

Paris Green.—Market devoid of new developments. Prices unchanged.

Phosphorus.—Situation unaltered as regards demand and prices.

Potash Carbonate.—No change in level of demand. Prices same.

Potash, Caustic.—Call for material at recent levels. Market tone unchanged.

Saltpeter.—Active demand for war production purposes. Normal consumers' takings only fair. Prices show no alterations.

Soda Antimoniate.—No new features. Little change in level of demand. Prices same.

Soda Ash.—Substantial movement of material into consuming channels. Prices show no change.

Soda, Caustic.—Interest satisfactory with good movement anticipated for use in connection with synthetic rubber program. Prices steady.

Soda Chlorate.—WPB allocations govern transactions. Prices show no change.

Tin Oxide.—Manufacture and use no longer allowed.

Uranium Oxide.—Delivery of uranium and its compounds for use in ceramics has been forbidden by WPB.

Zinc Cyanide.—Demand light. Prices unaltered.

Zinc Sulphate.—Supply situation is about normal. Prices same.

Acids

Abietic.—No new developments. Prices unaltered.

Acetic.—War demand good. Supply situation tight. Prices firm.

Acetic Anhydride.—WPB allocations rule. Prices hold unchanged.

Battery.—Good demand. No change pricewise.

Formic.—No new features in market. Tone unaltered.

Gallic.—Position same. No change in prices.

Hydrofluoric.—Material in irregular demand. Prices show no change.

Lactic.—Demand and supply situation unaltered. Prices same.

Muriatic.—Heavy war call for material. Quotations rigidly maintained.

Naphthenic.—Transactions governed by WPB allocation order. Prices unaltered.

Nitric.—Movement into war production in good volume. Prices unchanged.

Sebacic.—No new developments. Prices same.

Sulphuric.—Good movement of material into war production channels. Prices firm.

Baltimore, Jan. 27.—Conditions in the market for sulphuric acid are unchanged from a number of weeks past, with the production large enough now to take care not only of the government requirements but to leave an excess for the agricultural needs. Quotations of the various producers show no change.

Insecticides

The Department of Agriculture has issued an order reserving certain low grades of the 1942 crop of some types of dark tobacco for use in manufacture of nicotine sulphate and nicotine alkaloid. Grades of tobacco covered by the order are among the lowest appearing on the market but are suitable for nicotine production.

Calcium Arsenate.—Consumers' needs continue at recent good levels. Prices show no change.

Lead Arsenate.—Tone remains quiet. Prices unaltered.

Nicotine Sulphate.—Supply situation satisfactory. Quotations steady.

Paradichlorobenzene.—Position remains tight. Prices show no change.

72d—OPD—Year

Chemical Workers' Pay Increased in Nov.

Hourly earnings of factory workers in chemical and related fields increased 0.1 percent between October and November, according to data reported by the Secretary of Labor. Although there was an increase in the average hours worked, these workers' weekly earnings increased 1.0 percent to an average of $38.10. This compared with an average of $31.25 for all nondurable goods manufacturing.

October-November comparisons in chemical and related lines were reported as follows:—

Average Earnings

	Weekly — Change (%) from — Nov.	Oct.	Nov.
Chemicals and allied products	38.10	+1.0	+17.7
Ammunition	38.89	—0.1	+12.4
Chemicals, n.e.c.	44.32	+1.9	+10.0
Cottonseed oil	21.39	+0.6	+24.7
Crude petroleum production	41.74	—1.2	+ 7.8
Drugs, medicines, insecticides	30.27	—1.8	+ 9.6
Explosives, safety fuses	45.91	+1.6	+10.0
Fertilizers	22.69	—2.8	+28.9
Fireworks	33.02	+3.7	+48.6
Paints and varnishes	37.86	+2.0	+11.5
Rayon, allied products	32.68	—0.8	+ 8.0
Soaps	37.54	+1.1	+11.0

	Hourly — Change (%) from — Nov.	Oct.	Nov.
Chemicals and allied products	88.4	+0.1	+ 9.3
Ammunition	85.3	—1.3	+ 8.1
Chemicals, n.e.c.	102.7	+0.7	+10.7
Cottonseed oil	40.7	+1.5	+11.1
Crude petroleum production	105.7	+1.6	+ 6.4
Drugs, medicines, insecticides	73.1	—1.5	+ 9.4
Explosives	99.1	+0.9	*
Fertilizers	58.5	—0.7	+17.4
Fireworks	76.3	—0.1	*
Paints and varnishes	89.0	+0.7	+ 8.7
Rayon, allied products	82.9	—0.6	+ 7.8
Soaps	89.7	—0.8	+ 7.3

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PARADICHLORBENZENE
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OPD—2-1-1943

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Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Rubber

Vulcanization Accelerators for Rubber

(Continued from January 25 issue)

Zinc salt of 1-mercapto-3:5-dimethylbenzothiazole reaction products with (continued)—
(48) Secondary saturated amines
(49) Tetrahydrofurfuryl primary amines

Zinc salt of 1-mercapto-5-ethoxybenzothiazole reaction products with—
(1) Alicyclic amines
(2) Aliphatic amines
(3) N-Alkylphenalkyl secondary amine
(4) Alphafurfurylamine
(5) Amyl primary amines
(6) Benzylamines
(7) Betafurfurylamine
(8) Betaphenethylamine
(9) N-Butylamine
(10) Decahydroalphanaphthylamine
(11) Decahydrobetanaphthylamine
(12) Dibutylethylenediamine, symmetrical
(13) Diethylamine
(14) Di-isobutylamine
(15) Di-isopropylamine
(16) Dimethylethylenediamine, symmetrical
(17) Di-N-propylamine
(18) N-Ethylbenzylamine
(19) Ethyl-N-butylamine
(20) N-Ethylcyclohexylamine
(21) Ethylenediamine
(22) Ethylpropylamine
(23) N-Ethyltetrahydroalphafurfurylamine
(24) Furfurylamine
(25) N-Heptylamine
(26) Hexahydrobenzylamine
(27) Hexahydrobetaphenethylamine
(28) Hexahydroorthoanisidin
(29) Hexahydroorthophenetidin
(30) Hexahydroorthotoluidin
(31) Hexahydroparaanisidin
(32) Hexahydroparaphenetidin
(33) Hexahydroparatoluidin
(34) Isobutylamine
(35) Methylamylaminecyclohexylamine
(36) N-Methylbenzylamine
(37) N-Methylbetaphenethylamine
(38) N-Methylcyclohexylamine
(39) N-Methylhexahydro-orthophenetidin
(40) N-Methylhexahydroparaphenetidin
(41) N-Methyltetrahydroalphafurfurylamine
(42) Morpholin
(43) Phenalkylamines
(44) Phenalkyl primary amines
(45) Piperidin

Zinc salt of 1-mercapto 5-ethoxybenzothiazole reaction products with—
(46) N-Propyleneamine
(47) Pyrolidin
(48) Secondary saturated amines
(49) Tetrahydrofurfuryl primary amines

Zinc salt of 1-mercapto-5-hydroxybenzothiazole reaction products with—
(1) Alicyclic amines
(2) Aliphatic amines
(3) N-Alkylphenalkyl secondary amine
(4) Alphafurfurylamine
(5) Amyl primary amines
(6) Benzylamines
(7) Betafurfurylamine
(8) Betaphenethylamine
(9) N-Butylamine
(10) Decahydroalphanaphthylamine
(11) Decahydrobetanaphthylamine
(12) Dibutylethylenediamine, symmetrical
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(14) Di-isobutylamine
(15) Di-isopropylamine
(16) Dimethylethylenediamine, symmetrical
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(18) N-Ethylbenzylamine
(19) Ethyl-N-butylamine
(20) N-Ethylcyclohexylamine
(21) Ethylenediamine
(22) Ethylpropylamine
(23) N-Ethyltetrahydroalphafurfurylamine
(24) Furfurylamine
(25) N-Heptylamine
(26) Hexahydrobenzylamine
(27) Hexahydrobetaphenethylamine
(28) Hexahydroorthoanisidin
(29) Hexahydroorthophenetidin
(30) Hexahydroorthotoluidin
(31) Hexahydroparaanisidin
(32) Hexahydroparaphenetidin
(33) Hexahydroparatoluidin
(34) Isobutylamine
(35) Methylamylaminecyclohexylamine
(36) N-Methylbenzylamine
(37) N-Methylbetaphenethylamine
(38) N-Methylcyclohexylamine
(39) N-Methylhexahydro-orthophenetidin
(40) N-Methylhexahydroparaphenetidin
(41) N-Methyltetrahydroalphafurfurylamine
(42) Morpholin
(43) Phenalkylamines
(44) Phenalkyl primary amines
(45) Piperidin
(46) N-Propyleneamine
(47) Pyrolidin
(48) Secondary saturated amines
(49) Tetrahydrofurfuryl primary amines

Zinc salt of 2-mercaptolepidin addition products with—
(1) Amylamine
(2) Butylamine
(3) Dibutylamine
(4) Diethylamine
(5) Ethylenediamine
(6) Tetrahydrofurfurylamine

Zinc salt of 1-mercapto-3-methoxybenzothiazole reaction products with—
(1) Alicylic amines
(2) Aliphatic amines
(3) N-Alkylphenalkyl secondary amine
(4) Alphafurfurylamine
(5) Amyl primary amines
(6) Benzylamines
(7) Betafurfurylamine
(8) Betaphenethylamine
(9) N-Butylamine
(10) Decahydroalphanaphthylamine
(11) Decahydrobetanaphthylamine
(12) Dibutylethylenediamine, symmetrical
(13) Diethylamine
(14) Di-isobutylamine
(15) Di-isopropylamine
(16) Dimethylethylenediamine, symmetrical
(17) Di-N-propylamine
(18) N-Ethylbenzylamine
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(20) N-Ethylcyclohexylamine
(21) Ethylenediamine
(22) Ethylpropylamine
(23) N-Ethyltetrahydroalphafurfurylamine
(24) Furfurylamine
(25) N-Heptylamine
(26) Hexahydrobenzylamine
(27) Hexahydrobetaphenethylamine
(28) Hexahydroorthoanisidin
(29) Hexahydroorthophenetidin
(30) Hexahydroorthotoluidin
(31) Hexahydroparaanisidin
(32) Hexahydroparaphenetidin
(33) Hexahydroparatoluidin
(34) Isobutylamine
(35) Methylamylaminecyclohexylamine
(36) N-Methylbenzylamine
(37) N-Methylbetaphenethylamine
(38) N-Methylcyclohexylamine
(39) N-Methylhexahydro-orthophenetidin
(40) N-Methylhexahydroparaphenetidin
(41) N-Methyltetrahydroalphafurfurylamine
(42) Morpholin
(43) Phenalkylamines
(44) Phenalkyl primary amines
(45) Piperidin
(46) N-Propyleneamine
(47) Pyrolidin
(48) Secondary saturated amines
(49) Tetrahydrofurfuryl primary amines

(To be continued)

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Dyestuffs, Textile, and Leather Chemicals

Firmness Again Characterizes Market for Dyestuffs With Imported Items in General Continuing in Short Supply—Amended Order M-103 Excepts Dyes Derived From Vegetable Sources

Firmness characterized the market for dyestuffs, textile and leather chemicals again last week. While a few items were in light call, dyestuffs and tanning materials in general were in fair to good demand, and the majority of imported items were in tight supply, due to the shortage of shipping space and resultant government regulations. Stocks of quebracho extract were at a fair level, however. Light blood albumen and soluble dried blood remained in satisfactory supply, but egg albumen and egg yolk continued largely nominal, with stocks very low and factors awaiting more definite indications regarding Spring production schedules. Cornstarch also was very tight, with the domestic demand good and lend-lease shipments continuing heavy.

Of interest in this market was the recent announcement by the War Production Board of an amendment to order M-103, cutting the sale and purchase of all organic dyestuffs and organic pigments for civilian use an average of 40 percent below 1941 figures. The order is retroactive to January 1, 1943. The sole exceptions are dyestuffs and organic pigments derived from vegetable sources, inorganic dyes, and organic dyes synthesized or produced from relatively non-critical materials.

Implementing the program for production of 50,000,000 pounds of high-tenacity rayon yarns for use in tires, WPB has ordered high-tenacity viscose rayon yarns of 250 or coarser denier placed under direct allocation, effective March 1.

Chemicals

Alumina Acetate.—Light movement of materal into consuming channels. Prices show no change.

Alumina Chloride.—No alteration in market tone. Quotations same.

Ammonia Bichromate. — Supplies tight. Position firm.

Ammonia Sulphamate. — Demand and supply situation unaltered. Prices steady.

Antimony Salt.—Fair demand. Price schedules unaltered. Supply of antimony for 1943 depends on South American imports, according to WPB's Antimony Industry Advisory Committee. United States supply in 1943 will be slightly larger than 1942, when it was slightly less than 1941. Imports in 1943 will be about 30 percent greater than 1942. During recent peace-time years, United States consumed about two-thirds of total world production of antimony. Current consumption is greater than total normal world output.

Chrome Acetate. — Satisfactory movement of material into normal consuming channels. Tone firm. War Shipping Administration, in rate order No. 158, recently issued, approved following:—From Famagusta, Cyprus, to United States Atlantic and Gulf ports, $28 per ton of 2,240 pounds on chrome ore in bulk.

Potash Bichromate. — Material under full priority control. General limitation order in effect. Prices show no alterations.

Potash Prussiate.—Market tone unchanged. Prices same.

Soda Bichromate.—No new features in market. Quotations confirmed.

Soda Chromate. — Transactions under full priority and industry control. No fluctuations pricewise.

Soda-Formaldehyde Sulphoxylate.—Consumers' needs unchanged from levels recently prevailing. Prices same.

Soda Prussiate.—Call light. Price schedules unaltered.

Sulfamic Acid.—Transactions governed by WPB allocations. Market tone unaltered.

Sulphonated Oils. — Irregular demand. No price movements noted.

Zinc Dust.—Material under complete allocation and use control. New developments lacking. No change in quotations.

Dyestuffs

Amatto.—Due to light supplies material may now be used only for food coloring. Prices same.

Cochineal.—Fair to good demand. No change in quotations.

Fustic. — Steady interest. Prices show no change.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
260.2	260.2	260.2	265.8

Market news that may have developed after this report was sent to press will be found on page 4.

Hypernic.—Fair demand. No movements pricewise.

Indigo.—No new features in market. Prices unchanged.

Logwood.—Market tone unaltered. Quotations confirmed.

Madder, Dutch.—Position same. No change pricewise.

Turmeric.—Material continues in light supply. Tone steady.

Sizing Materials

Albumen, Blood.—Satisfactory supply situation as regards both light blood albumen and soluble dried blood. No change in quotations.

Albumen, Egg. — Market remains largely nominal. No new developments.

Corn Sugar.—Supplies very tight. Quotations unaltered.

Dextrin, Corn.—Material in short supply. No change in market tone.

Egg Yolk.—Stocks low and market largely nominal.

Starch, Corn.—Good domestic demand with lend-lease shipments continuing heavy. Tone very firm.

Tapioca Flour.—No new developments. Prices same.

Zein.—Inquiries being received in satisfactory volume. Quotations unaltered.

Tanning Materials

Chestnut Extracts.—Market devoid of new features. Level of demand unchanged. Prices steady.

Divi-Divi.—Tone unchanged. No new developments.

Hematine.—Fair interest. No movements pricewise.

Hemlock Bark Extract.—No new features in steady market.

Mangrove Bark.—South American material no longer available. Situation unaltered as regards East African with some shipments being received now and then.

Myrobalans. — New features lacking. Price schedules confirmed.

Nutgalls.—Transactions governed by WPB allocations. No movements pricewise.

Oakbark Extract. — Position unaltered. Quotations steady.

Quebracho Extract.—Supply conditions fair. Quotations unaltered.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 9

Metal Strapping On Containers Limited

—Continued from page 3

order, no person may use commercially any metal strapping for containers or bundles unless:—

1. Weight of container and contents exceeds 90 pounds.

2. Net weight of the contents exceeds .058 pounds per cubic inch (100 pounds per cusic foot).

3. Use is required by regulations or orders of Interstate Commerce Commission.

4. Container and contents are to be delivered to the Armed Forces, Maritime Commission, or War Shipping Administration, and are required by such agencies.

5. Shipment is for export outside of both the United States and Canada.

6. Strapping is to be used for packing fresh fruits, vegetables, meats, fish or poultry. However, such use must be essential to safe delivery of such products, and strapping must have been customarily used for this type of shipment.

7. Strapping is for wooden lard or butter tubs, and wooden buckets or pails.

8. Strapping is to be used for closing fiber drums or hexagonal or octagonal fiber containers.

72d—OPD—Year

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OPD—2-1-1943

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Rubber Compounding Materials
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Barrett
CHEMICALS

Coaltar Chemicals

Amendment to M-103 Brings Considerable Discussion Among Factors In Market for Coaltar Chemicals—Tight Basic Products Hold Intermediates in Short Supply Position

Just what effect the recent action of the War Production Board in ordering the sale and purchase of all organic dyestuffs and organic pigments for civilian use cut an average of 40 percent below 1941 figures is to have on intermediates was the topic of most discussion in the market for coaltar chemicals over the past week.

The order, an amendment to M-103, formerly largely concerned with anthraquinone dyes, is retroactive to January 1, 1943. According to WPB, its effects will be felt in the textile, leather, paper, paint, printing ink, lacquer, plastics, rubber, and other industries. The sole exceptions are dyestuffs and organic pigments derived from vegetable sources, inorganic dyes, and organic dyes synthesized or produced from relatively non-critical materials. The agency states that the order was made necessary by shortages of chemical materials used in extremely important phases of the war program, among these being benzol, toluol, anilin, phthalic anhydride, phenols, cresols, xylenols, etc. As a result of the order, WPB states, approximately 55,000,000 pounds of dyes—and the raw materials that go into them—will be made available for the war effort.

Steel operations last week were scheduled at 98.6 percent of capacity, a decline fo 1.2 points from the previous week's rate of 99.8 percent, according to the American Iron and Steel Institute. A month ago the rate was 98.2 percent, and in the corresponding week of last year it was 94.6 percent, down 0.4 point from the preceding week.

Price Changes

Advanced
None
Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, were as follows:—

Last week.	Prev. week.	Last month.	Last year.
129.2	129.3	130.1	130.1

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Situation unchanged. Good movement continues to government stockpile for use in connection with synthetic rubber program. Aviation gasoline needs in large volume. Tone steady. Estimates of byproduct cokeoven operations in week ended January 23 indicate production from that source of 3,762,400 gallons of benzol.

Coaltar.—No change in level of demand. Prices unaltered. Estimates of byproduct cokeoven operations in week ended January 23 indicate production from that source of 14,685,700 gallons of coaltar.

Creosote Oil.—Material moving to railroads and utilities in good volume. Market firm. Estimates of byproduct cokeoven operations in week ended January 23 indicate production from that source of 776,700 gallons of creosote oil.

Naphthalene. — Allocations govern crude transactions with demand for balls and flakes seasonally light. Movement to phthalic anhydride production continues in considerable volume. Prices show no change. Estimates of byproduct cokeoven operations in week ended January 23 indicate production from that source of 1,638,400 pounds of crude and refined naphthalene.

Phenol. — Plastics and synthetic resins taking material in large volume, leaving supplies for intermediates short. Lend-lease shipments heavy. Quotations steady. Estimates of byproduct cokeoven operations in week ended January 23 indicate production from that source of 218,400 pounds of phenol.

Toluol.—Supplies very tight and under complete WPB allocation control. Tone very firm. Estimates of byproduct cokeoven operations in week ended January 23 indicate production from that source of 752,400 gallons of toluol.

Xylol.—Material under WPB allocation control. Market conditions show little change. Prices steady. Estimates of byproduct cokeoven operations in week ended January 23 indicate production from that source of 169,900 gallons of xylol, crude and refined.

Chicago, Jan. 27.—Buying of coaltar bases is quiet and steady, with orders following routine patterns. Inquiry has been along somewhat more active lines recently, while movement on earlier orders is reported fair. Benzol buying is reported a little better, with moderate interest shown. Ruling prices exclusive of tax are:—Benzol, 90 percent, 15c. per gallon; 10-degree xylol, 30c.; industrial xylol, 27c.; toluol, 28c.; solvent naphtha, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Cyclohexane. — No new features. Prices unchanged.

Cyclohexanol.—Demand good. Supplies light. Quotations steady.

Cyclohexanone.—Call for material continues active. No alterations pricewise.

Methylcyclohexanol. — Movement into consuming channels heavy. Prices show no change.

Coaltar Acids

Anthranilic.—Supply situation continues tight. Quotations unaltered.

Benzoic, Technical. — Market tone firm. No alterations in prices.

Broenner's.—No new features. Quotations unchanged.

Cleve's.—Demand at recent levels. Tone firm.

Fumaric.—Position unaltered. Supplies tight. Prices firm.

Gama.—Position unaltered. Pricewise, no change.

H.—Market tone firm. Supplies tight.

Laurent's.—Production light. Tone unchanged.

Maleic.—No change in demand and supply conditions. Prices same.

Malic.—New developments lacking. Price schedules show no change.

Picramic.—Material in tight supply. Quotations firmly held.

Picric.—Demand unchanged from recent levels. Price schedules unaltered.

Sulphanilic. — Interest good. Supplies tight. No change pricewise.

Tobias.—No new developments in market. Prices steady.

Other Intermediates

Anilin. — WPB allocations govern transactions. Prices show no change.

Benzaldehyde. — Material in short supply. Consumers' needs at recent levels. No change in quotations.

Benzidin Base. — Demand active. Market tone unaltered. Prices steady.

Betanaphthol.—Tone firm. Supplies tight.

Diethylanilin. — Market devoid of new developments. No change in quotations.

Dinitrobenzene. — Consumers' requirements exceed level of supplies. Tone firm.

Dinitronaphthalene.—No change in market position. Prices same.

Dinitrotoluene.—Material in short supply. Tone firm.

G Salt.—No change in level of consumption. No alterations pricewise.

Metanitroanilin.—Material in limited supply. Quotations confirmed.

Metaphenylenediamine. — Under

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 9

WPB allocation control. Demand good. Prices show no change.

Nitrobenzene.—Material continues in tight position. Price schedules show no change.

Coaltar Colors

Discussion among coaltar color producers centered last week around the recent action of WPB in ordering the sale and purchase of all organic dyestuffs and organic pigments for civilian use cut an average of 40 percent below 1941 figures. The order, an amendment to M-103, is retroactive to January 1, 1943. The National Association of Printing Ink makers explains that the amended order places no restriction on the use of color in advertising, publishing or printing.

72d—OPD—Year

Crosshaul Tankcars Limited for Chemicals

—Continued from page 3

Shipments originating within one of these zones may not be shipped outside the zone unless application for specific authorization is made to the Director General for Operations.

Applications for shipments exceeding the limit for both molasses and caustic soda are to be made on form PD-782, or by telegram in an emergency. The controls over caustic soda shipments go into effect April 1, and those for molasses March 1.

Advance Notice Required

List II materials are those that must be reported by the twentieth day of the month prior to the month in which they will be shipped, or ten days before shipment, if not previously reported, if the shipment is of any distance by tankcar or more than 200 miles by tanktruck. Products covered in this list are acetone, butyl acetate, corn syrup, ethyl acetate, ethyl alcohol, and beet molasses shipped for any purpose, or blackstrap, invert, edible, or hydrol molasses shipped for the manufacture of yeast or citric acid.

Shipments of these materials may be made without authorization, but special directions may be issued by the Director General for Operations, limiting such shipments when deemed advisable. If shipments have been made before special directions can be issued to stop or divert them, blanket directions will be issued for such future shipments. These controls take effect March 1.

One of the purposes of reporting the shipments of these products to the director general is to give WPB more information on the movements of such products, and thus make it possible to zone these movements at a later date, should this be found advisable. This will be done gradually, however, it was emphasized, as correct zones cannot be established until a balance between supply and demand within the zones is determined.

Tankcar Use Limited

List III materials are exempt from control unless they also appear on list I or list II, in which case they are subject to the restrictions governing these lists. For example, while alcohols are a list III material and are exempt from control, shipments of ethyl alcohol, a list II material, are therefore not exempt. List III, however, limits the use of tankcars for the movement of chemicals and allied products by providing that only those products contained in the list may be moved by tankcar. In order to move any product by tankcar which is included in list III special authorization first must be obtained from WPB, unless the material is consigned to the army or navy or for lend-lease. Proof of authorization must be shown by the shipper before cars will be assigned by the Office of Defense Transportation.

List III comprises the following materials:—

Acetaldehyde; acetic acid, glacial or liquid; acetic anhydride; *acetone; acids; acrylonitrile; *alcohols; alcohol, unfinished; aluminum chloride; aluminum sulphate; ammoniacal liquor or aqua ammonia; ammonium nitrate liquor; ammonium sulphide; ammonium thiocyanate liquor; amyl acetate; amyl chloride; anhydrous ammonia; anilin oils; antifreezing compounds; arsenic acid; arsenic trioxide; asphalt.

Babassu oil; benzol (benzene); brake fluid; butadiene; butanes; butenes; *butyl acetate; butyl aldehyde; butyraldehyde; butylamines.

Calcium chloride, liquid; calcium hypochlorite (chlorinated lime); carbon dioxide, liquefied; carbon bisulphide (carbon disulphide); carbon tetrachloride; castor oil; caustic potash; *caustic soda; chemicals, other, shipped as "chemicals NO1BN"; chestnut tanning extract (tannic acid); chlorine, liquid; chlorobenzol (monochlorobenzol); chlorosulphoric acid; coaltar pitch; coconut oil (copra); core compound, foundry; corn oil; *corn syrup (glucose); cottonseed oil; creosote oil; creosote-tar solution; cresylic acid (cresol); cumene (isopropylbenzene).

Diacetone; dibutyl, diethyl, or dimethyl phthalate; dichlorodifluoromethane; dichloromonofluoromethane; dichlorotetrafluoroethane; diethyl sulphate; diethylene glycol; dimethylaniline; dinitrochlorobenzol; dioctyl phthalate; diphenyl; diphenylamine; di-intermediates; ester gums; ether (ethyl dichlorethyl, or isopropyl); *ethyl acetate; ethyl chloride; ethylamines; ethylene bromide or dibromide; ethylene chlorohydrin.

Ethylene dichloride; ethylene glycol; ethylene oxide; ethylmethylketone (methylethyl ketone); ethyl hexyl alcohol.

Fatty acid; fatty acid esters; fertilizer ammoniating solution; fish or sea animal oil; formaldehyde, liquid; formamide; formic acid; furfural.

Gasoline, aviation (of octane No. 87, 91, and 100) and its component parts, such as alkylate; aromatic fractions for aviation; aviation base stocks; butylene; codimer; isobutane; isobutylene; isooctane; isopentane (pentane); hydrocodimer; gas drip oil, including crude; grease (inedible animal); glycerin.

Hexa methylene diammonium adipate solution; hydrochloric acid (muriatic); hydrofluoric acid; hydrofluosilic acid; hydrogen dioxide or peroxide; *hydrol (corn sugar final molasses); ink; printing; iron chloride (ferric); isobutyl acetate; isopropyl acetate; lactic acid; lacquer solvents; lard; lard oil; latex; lime, chlorinated; lime and sulfur solution; lime sludge or slurry; linseed oil; liquefied petroleum gases; lead, tetraethyl; lignin liquor.

Magnesium chloride; methanol; methyl acetate; methyl acetone; methyl chloride; methyl formate; methyl isobutyl ketone; *molasses (beet, blackstrap, edible and molasses residium); monofluorotri chloromethane; milk; naphtha.

Naphtha, naphtha solvent; naphthalene, including crude; neutral oil; nitrating acid or mixed acid; nitric acid; nitrobenzol; nitrogen fertilizer solution; nitro cellulose solution; nylon salt solution.

Oil foots or sediment; oiticica oil; oleic acid (red oil); orthodichlorobenzol; oxygen, liquid; oxidizing salt solution.

Paint oil compounded; paint, lacquer, varnish, gum, resin or pyroxylin plasticizers or solvents; paint, lacquer or varnish increasing, reducing, removing or thinning compounds; paints, stains, or varnishes; palm oil; paraffin wax, chlorinated; paraldehyde; peanut oil; pentane; perchloric acid; perchloroethylene; petroleum; petroleum gases, liquefied; petroleum products (not otherwise listed); phenol (carbolic acid); phosporic acid; phosphorous; phosphorous oxychloride; phosphorous trichloride; pilargonic acid; pinene; pine oils; pitch, pine tar; pitch, rosin; plasticizers; pork fat, rendered; powder, smokeless, in water; potassium silicates; preservatives, wood; propanes; propionic acid; proprietary anti-freeze preparations; propylene dichloride; propylene glycol; pulp mill liquid; pyridine; pyroxylin solution; pyroxylin waterproofing liquid; pyroligneous acid.

Rapeseed oil; resin; resins, synthetic; road tar; rosin oil; rosin size; rubber solvent.

Sludge acid; soap stock; soda aluminate; soda bichromate; soda bisulphite; soda chromate solution; soda hydrosulfide liquid (sodium sulphydrate); sodium, metallic; soda nitrate; soda nitrite; soda hypochlorite; soda phenolates; soda silicates; soda sulfate; soda sulfide, liquid; sola sulfite; soybean oil; spirits, grain, unfinished (suitable only for redistillation); stearine; styrene; sulphur dioxide, anhydrous; sulphuric acid; sulphate, black liquor skimmings; sunflower oil.

Tall oil; tallow; tar acid, coal; tar acid, crude; tar acid oil; tar, coal; tar oil, crude; tar, pine; tar, wood (hardwood tar); tetrachloroethane; toluol (toluene); trichlorobenzol; trichloroethylene; tricresyl phosphate; tung oil (chinawood oil); turpentine, including crude; turpentine oil (spirits of turpentine; turps).

Vinegar; vinyl acetate.

Waste waterproofing liquid; water, not including mineral flavored or phosphated; water gas tar; xylol (xylene).

Zinc chloride, liquid; zinc sulfate, liquid.

T-1 applies only to shippers and not to carriers, bringing it under WPB, which has authority over distribution of materials, rather than ODT, which regulates the use of the railway and highway systems. Where ODT permits are required, they will be appended to permits required under this order as a matter of convenience to the shipper.

The order applies only to shipments originating in the United States for delivery within the United States and for export. It does not control imports, which are governed by general imports order M-63.

* Controlled as List I or List II materials and not subject to the exemptions provided in paragraph (d) (2) of the order.

"Find out what happens when you substitute

ammonium thiocyanate"*

(* Ammonium Sulfocyanide)

If you use an ammonium salt in your process you should experiment with substituting Ammonium Thiocyanate (Ammonium Sulfocyanide). Perhaps you will discover valuable modifications.

Test it in your laboratory in place of the chloride, the oxalate, the acetate, the carbonate or the nitrate.

The variations that occur from the Thiocyanate group might bring interesting and worthwhile results.

Koppers has placed in operation a large commercial plant for the production of Ammonium Thiocyanate crystals and can now offer this chemical in quantity at substantial savings over former costs. Koppers can supply Ammonium Thiocyanate crystals with a minimum purity of 95%.

Test samples, quotations and further information on request.

KOPPERS COMPANY
TAR AND CHEMICAL DIVISION
PITTSBURGH, PA.

OPD—2-1-1943

EMERGENCY RATIONS

Photo by U. S. Army Signal Corps

Every soldier knows that his emergency ration is not a banquet — but he still carries it — through thick and thin, and when he needs it — boy — it does a swell job of filling in.

We know our Paranol 4142 and Paranol V — are not the ultimate in synthetic resins — but — you can get them without priority — and they do a swell job of filling in.

Samples of resin and suggested formulae are offered as well as the services of our technical staff for your convenience.

PARAMET SYNTHETIC RESINS

PARAMET CHEMICAL CORPORATION

MANUFACTURERS OF SYNTHETIC RESINS

44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

Look to Imperial for the answer

★

If your pigment formulation problem seems difficult to solve, we suggest that you discuss it with your Imperial representative, or refer it to our Technical Service Laboratories. We will tackle your problem as if it were ours.

★

IMPERIAL PAPER AND COLOR CORPORATION

Pigment Color Division GLENS FALLS, N.Y.

The largest manufacturers of chemical pigment colors in America

Branch Offices and Warehouses:

Boston	Cleveland	Pittsburgh	St. Louis	Dallas
New York	Detroit	Seattle	San Francisco	Los Angeles
Philadelphia	Cincinnati	Chicago	Baltimore	Louisville

Paint, Varnish, Lacquer Materials

Extensive Renewal of Military Buying of Paint Materials Is Now Compensating for Slowdown of Civilian Account Purchasing —Organic Color Restrictions Devoid of Disturbing Influences

A notable change in the ebb and flow of the two great buying currents in the paint, varnish and lacquer materials market has occurred within the past week. The lull in the purchasing movement of the war bureaus, noted in the previous week, has given way to a fairly extensive renewal of buying operations by the U. S. military establishment. On the other hand, the sudden spurt of replenishment buying by paint mixers and other manufacturers of finished products has lost the impetus attained in the preceding week and slowed down to a more subdued seasonal pace. However, the combined purchasing movement for both accounts has reached moderate proportions, with the greatest activity centered upon the materials required in the making of exterior protective coatings, such as lead, zinc and titanium pigments for nearby and forward deliveries.

In the field of dry and chemical colors, issuance of the War Production Board's amended order M-103, ostensibly limiting the sale and purchase of organic pigments or colors for civilian use to an average of 40 percent below 1941 figures, has constituted only a slightly disturbing influence. The paint material industry had already become inured to similar handicaps in the form of enforced curtailments and restrictions on civilian use of materials employed in producing colored paints. Moreover, this order has not affected the organic colors in greatest demand but only those in which business had fallen off more than 40 percent since the large volume of 1941 was recorded.

Metallic Lead and Zinc

Additional strong incentives for domestic producers of lead and zinc to swell their output far beyond their quotas are about to be furnished by the joint quota committee of the War Production Board and the Office of Price Administration in the form of a revised zinc-lead premium price plan which, it is understood, will make the premiums offered these producers twice as large in some instances and three times as great in others as those hitherto proffered for above-quota outputs.

Lead. — Prevailing spot prices at New York, St. Louis and London for the period from January 22 to January 29, inclusive, were as follows:—

	Pigs		
	Per pound		Spot, London. Per ton
	New York.	St. Louis.	£ s. d.
Saturday	$0.0650	$0.0635	* .. .. ..
Monday	.0650	.0635	.. .. ..
Tuesday	.0650	.0635	.. .. ..
Wednesday	.0650	.0635	.. .. ..
Thursday	.0650	.0635	.. .. ..
Friday	.0650	.0635	.. .. ..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from January 22 to January 29, inclusive, were as follows:—

	Slabs		
	Per pound		Spot, London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0866	$0.0825	* .. .. ..
Monday	.0866	.0825	.. .. ..
Tuesday	.0866	.0825	.. .. ..
Wednesday	.0866	.0825	.. .. ..
Thursday	.0866	.0825	.. .. ..
Friday	.0866	.0825	.. .. ..

* London exchange closed.

Pigments

Blue Lead.—Demand from war production quarters continues very active; that from civilian interests not so brisk.

Lead Titanate.—A fair amount of new business is still being placed and movement on outstanding contracts is of sizable proportions.

Litharge.—Buying interest fairly brisk on all accounts.

Lithopone.—Moderate buying movement noted.

Orange Mineral.—Shipments still going forward briskly. Unaffected by WPB's color restriction order M-103.

Red Lead.—In fair call, largely in connection with war activities.

Titanium Dioxide.—Deliveries running about 10 percent behind the previous month's pace but holding up fairly well.

White Lead.—In moderate request.

Zinc Oxides.—Continue in fair demand. Production somewhat slowed down but American process continues in moderate supply and moving well.

Price Changes

Advanced

Rosin, gum, pale grades, 1c. per 100 lbs.

Reduced

Rosin, gum, medium grades, 3c. to 10c. per 100 lbs.
Turpentine, gum, ¼c. per gal.

Comparative Values

Index numbers compiled from ten typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	139.3

Market news that may have developed after this report was sent to press will be found on page 4.

Fillers and Extenders

Asbestos.—Supplies of both Canadian and domestic grades still sufficiently large for current requirements.

Barytes.—Continues in fair demand.

Charcoal.—Movement still of routine character.

China Clay.—In moderate request.

Diatomaceous Earth.—Limited inquiry noted.

Fuller's Earth. — Buying interest rather light.

Graphite.—Demand of fair proportions reported.

Gypsum.—Still in good call.

Mica.—Despite restrictions on importations from leading sources of origin abroad and meager shipments from domestic mines, manufacturers of the paint grade of ground mica are keeping up with the current demand for both dry and wet ground kinds, although unable to build up a surplus.

Whiting. — Acknowledgement has been made by WPB authorities of the unfounded character of their industry advisory committee's report of a shortage in English chalk for use in kalsomine, paint, whiting, tooth paste and various other products.

Dry Colors

Alkali Blue.—A routine movement is still noted.

Bone Blacks.—In moderate request.

Chrome Colors.—Buying interest reaching sizable proportions in chrome oxide and zinc yellow. There is also a fair request for chrome green and yellow. None of these colors is affected by WPB's organic pigment restrictive order designated as amended order M-103.

Carbon Blacks.—Preliminary figures on production, shipments and surplus stocks of carbon black for all of 1942 show a curtailment in output and shipments, due to the loss of the automotive vehicle paint business and a drastic reduction in the production of rubber goods. Production for last year amounted to 428,705,000 pounds, compared with 493,030,000 pounds for 1941 while shipments fell from 543,761,000 pounds to 302,448,000 pounds and stocks at the end of the year

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 9

stood at 237,614,000 pounds, contrasted with 111,385,000 pounds at the close of 1941. Gas black is moving in moderate volume with rubber reclaimers constituting the principal buyers. More activity is expected as the synthetic rubber production program gets further under way.

Lithol Toners.—Moving in relatively small amounts. Unaffected by WPB's organic color restrictive order.

Mercuric Oxides.—In fair inquiry.

Ochers.—Only a light buying interest is manifested.

Vermilions.—In fair request with supplies sufficient for current requirements.

Driers

A steady movement continues in stearates and palmitates with the market tone holding strong. Substitutes for naphthanates, including linoresinates, are also in good demand.

Lacquer Materials

Cellulose Acetate.—Heavy demand from war production quarters. Quotations unaltered.

Ethyl Cellulose. — All produced needed by Army and Navy.

Isopropyl Alcohol.—Standard chemical forms PD-600 and PD-601 to be used in allocating isopropyl alcohol.

Nitrocellulose.—February allocation of nitrocellulose will be relatively the same as in January, according to WPB, as far as the pyroxylin and vinyl resin coated paper and fabric industry is concerned. Quotations unaltered.

Tricresyl Phosphate.—Position tight. Prices very firm. WPB allocations govern transactions.

Naval Stores

A downward trend in prices for turpentine and some grades of rosin in the South at times during the past week was attributed to a lack of demand of consequence rather than to any material change in underlying conditions. The government was reported in the market for a fairly liberal quantity of pale rosin but civilian business was on a small scale, although the movement into consuming channels apparently held up well for this period especially in the case of rosin. The movement of turpentine to consumers and dealers was still rather light, as weather conditions in many sections of the country were unfavorable for painting operations, while consumption also continued to be curtailed by the use of lower priced substitutes. Despite the easier position of rosin and turpentine, the undertone of the primary situation was regarded by some as firm, and it was contended that any broadening of trade would be likely to find prompt reflection in a change in the course of prices. Daily receipts and offerings in the primary market were generally light.

Turpentine.—Quiet conditions continued to prevail in the local market for turpentine, consumers and dealers still being inclined in many cases to hold off in the absence of anything stimulating in the way of market developments in the South. Prices moved in company with the primary center.

Savannah, Jan. 29.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Saturday*	..	...	...	...	...
Monday	63½	3,450	101	9	29,851
Tuesday	63½	...	87	14	29,924
Wednesday	63	14,250	21	69	29,876
Thursday	63		116	609	29,383
Friday	63¼	2,450	24	115	29,292

* No trading.

Jacksonville, Jan. 29. — Turpentine stock, 22,115 barrels.

Chicago—January 29

Turpentine remains quiet. Five-drum lots, 76c. per gallon; five wood barrels, 81c.; single drums, 79c.; single barrels, 84c.

London, Jan. 29.—Turpentine, 87s. per cwt.

Rosin.—The tone of the market here for rosin was influenced by irregularity and lower prices for some grades in the primary market. Local business was generally along narrow lines, few consumers being disposed to purchase in advance of current needs.

Savannah, Jan. 29.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$2.90	$2.90	$2.90	$2.90	$2.86
D	...	2.95	2.95	2.95	2.95	2.95
E	...	3.23	3.23	3.23	3.23	3.20
F	...	3.40	3.40	3.38	3.38	3.36
G	...	3.45	3.45	3.40	3.40	3.40
H	...	3.48	3.48	3.40	3.40	3.40
I	...	3.62	3.62	3.50	3.50	3.50
K	...	3.70	3.70	3.68	3.68	3.71
M	...	3.83	3.83	3.73	3.73	3.76
N	...	3.85	3.85	3.85	3.85	3.86
WG	...	3.95	3.95	3.95	3.95	3.96
WW	...	4.00	4.00	4.00	4.00	4.01
X	...	4.00	4.00	4.00	4.00	4.01
		Barrels				
Sales	...	54	...	401	...	309
Receipts	...	7	117	107	129	105
Shipments	...	...	...	175	...	320
Stocks	...	...	...	...	...	92,992

* No trading.

Jacksonville, Jan. 29.—Rosin stock, 170,700 barrels.

Chicago—January 29

Rosin quiet. Ruling prices in five-drum lots at the close of business last

Shawnee
DRY COLORS
"Color Content Guaranteed"

Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Cadmium Colors
Lake Colors
Ultramarine Blue

KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities

Distillers of Coal Tar Products

GUAI-A-PHENE

Conserves Materials—Improves Efficiency

If you're seriously cooperating in the war conservation and efficiency program, use GUAI-A-PHENE in your paint and varnish products.

This positive, inexpensive anti-skinning agent is simply added at any temperature up to 180 degrees. It mixes readily. It is neutral to driers.

D.D. WOOD TURPENTINE

Water-white, always uniform. Approximate Aniline Point minus 12 degrees Centigrade. Kauri-Butanol approximately 80. Fed. Spec. LLL-T-792.

DIPENTENES

	No. 100	No. 200	No. 300
Specific Gravity at 15.5°C...	.862	.859	.857
End Point.....	198°C.	192°C.	188°C.
Aniline Point	-21°C.	-15°C.	-12½°C.

Write For Samples and Prices

E. W. Colledge
General Sales Agent, Inc.
Jacksonville, Florida
CHICAGO: - 310 S. Michigan Ave.
NEW YORK: - 52 Vanderbilt Ave.
CLEVELAND: - 616 Guardian Bldg.
SAN FRANCISCO: - 503 Market St.

Headquarters for ROSIN OIL
WRITE FOR OUR "PINE TREE PRODUCTS" BOOKLET
NATIONAL ROSIN OIL AND SIZE COMPANY
R. K. O. Building, Rockefeller Center, New York, N. Y.
Offices: 3001 West 47th Street, Chicago, Ill. Factory: Savannah, Ga.

COBALT OXIDE
COBALT SULPHATE
COBALT ACETATE
OTHER COBALT COMPOUNDS
CADMIUM SELENIDE REDS
BLACK IRON OXIDE
GREEN CHROMIUM OXIDE
BLACK ANTIMONY SULPHIDE
Both of the above meet Bureau of Standards Specifications and infra-red reflectance requirements.
CERAMIC COLOR AND CHEMICAL MFG. CO., 1000 13th St., New Brighton, Pa.

STANLEY DOGGETT, Inc.
ESTABLISHED 1878
MANUFACTURERS and IMPORTERS
DRY COLORS OF MERIT—QUALITY PIGMENTS
75 VARICK STREET, NEW YORK

STEARATES

Stocks at
• NEW YORK
• CHICAGO
• ST LOUIS
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FRANKS CHEMICAL PRODUCTS CO.
BLDG. 9, BUSH TERMINAL — BROOKLYN, N.Y.

NEVILLE Resins Available NOW!

NEVINDENE*
NUBA*
PARADENE*
"R" RESINS
"G" RESIN
465 RESIN
*REG. U.S. PAT. OFF.

• Neutral
• Waterproof
• Resistant to chemicals
• Pale or dark colors in 5-160° C Melting Points

A 5

Most synthetic resins are now under W. P. B. allocations. However, Neville Coumarone-Indene Resins are not covered by such allocation regulations.*
*as this "od" is written

THE NEVILLE COMPANY
PITTSBURGH • PA.
Chemicals for the Nation's War Effort
BENZOL • TOLUOL • XYLOL • TOLUOL SUBSTITUTES • CRUDE COAL-TAR SOLVENTS
HI-FLASH SOLVENTS • PAINT AND VARNISH REMOVERS • COUMARONE-INDENE RESINS
RUBBER COMPOUNDING MATERIALS • WIRE ENAMEL THINNERS • DIBUTYL PHTHALATE
TAR PAINTS • RECLAIMING, PLASTICIZING, NEUTRAL, CREOSOTE, SHINGLE STAIN OILS

night were:—B grade, $4.70 per 100 pounds net; G grade, $4.88; M grade, $5.11; W.W. grade, $5.23.

London, Jan. 29.—Rosin, W.W., 33s. per cwt.

Other Naval Stores

Pitch.—Quotations maintained and market firm, with steady inquiry from local and other buyers.

Rosin Oil.—Many consumers apparently purchasing for current needs. Market firm.

Tar.—Contract movement continues steady. New business fairly active.

Shellac

It is understood that the Federal government's requirements of shellac in connection with its war program run ahead of supplies available here, in sight, or to come forward later. Certainly, there will be little if anything divertible to civilian use and it is virtually certain that only houses with war contracts will receive anything. Full price stabilization naturally prevails on the basis of the dollars and cents OPA price ceilings. Work on substitutes is going forward and such development should be of first concern to civilian consumers of shellac in time of peace.

Synthetic Resins

No additional restrictions have been imposed upon synthetic resin materials within the past week. WPB has announced that there are indications that February's allocations for nitrocellulose will be at least as liberal as those for January insofar as the pyroxylin and vinyl resin coated paper and fabric industry is concerned but this bureau has reminded manufacturers of phenolic and alkyd resins that they must apply for raw materials required in their productions, regardless of the fact that these resins are under allocation. A virtually all-embracing list of synthetic resins and other branded paint materials, with latest quotations on these products appears at the end of the Current Market Quotations in this issue of the REPORTER.

Varnish Gums

Asphaltum.—Supply situation in some of the gums of foreign origin is growing tighter.

Copals.—Varnish makers buying steadily of Congo gums but are still limited in their purchases to sixty days' supply. Prices firmly held at OPA ceilings for the three unsorted and eleven sorted grades.

Glues and Binders

Casein.—As the culmination of its lengthy study of the statistics on domestic production and consumption of this dried milk product, OPA is expected to establish a uniform price ceiling for the American material on a cents-per-pound basis within the next few days.

Glues.—Hide glues continue in active demand and light supply, due to difficulties in procuring raw materials. Bone glues are in slightly improved request but still in ample supply.

72d—OPD—Year

Tallows, Greases Ceiling Now Uniform

—*Continued from page* 3

returnable or non-returnable drums, barrels, or tierces, car lots."

Tallows

	Titre mini-mum	F.F.A. maxi-mum	M.I.U. basis (p.c.)	F.A.C. maximum untreated and unbleached	Cts. per lb.
Edible	41.5	1	1	5	9⅞
Fancy	41.5	4	1	7	8⅞
Choice	41	5	1	9	8⅝
Prime, renderers prime, prime packers, or extra	40.5	6	1	13 or 11B..	8⅝
Special ...	40.5	10	1	19 or 11C..	8⅛
No. 1.....	40.5	15	2	33	8¼
No. 3.....	40.5	20	2	37	8⅛
No. 2.....	40	35	2	No color...	8⅛
Naphtha extracted bone	40	50	3	No color...	7⅝

Greases

Choice white ...	37	4	1	13 or 11B..	8⅞
A white...	37	8	1	15	8⅝
B white....	36	10	2	19 or 11C..	8⅛
Yellow	36	15	2	37	8⅝
House	37.5	20	2	39	8⅛
Brown	38	50	2	No color...	7⅝
Fleshing and/or glue grease No. 1....	36	15	1	15	8⅝
Fleshing and/or glue grease No. 2....	36	40	2	21	8
No. 1 pig skin and pigsfoot..	34	2	1	9	9¼
Garbage grease ..	34	60	3	No color...	7

(i) Materials of less than 40 titre shall be deemed greases and shall be priced only on the basis of the maximum prices set forth above for greases; and materials of more than 39.9 titre shall be deemed tallows and shall be priced only on the basis of the maximum prices set forth above for tallows.

(ii) Each type or grade of tallow or grease must be designated by the name customarily applied to it by the trade prior to August 1, 1942, and must be priced on the basis of the specifications prescribed in this subparagraph (15) for such type or grade.

(iii) The usual or normal differentials for grades, or grades with specifications other than those listed above, shall continue to apply. Bleaching qualities of any material, however, do not constitute any better grade, and do not justify any premium.

(iv) When shipped in less than carload lots, the usual or normal premium shall continue to apply.

(v) The maximum prices of imported tallows and greases, with duties and taxes paid f.o.b. port of entry, shall be the maximum prices set forth above for the nearest domestic grade at the producer's plant.

72d—OPD—Year

Soybean Industry Problems Studied

—*Continued from page* 3

expansion of present facilities. Other sub-committees will:—

(1) Make a further study of the use of tankcars for the purpose of increasing efficiency and operating the industry with the fewest number of cars. (2) Study the types of soybean oil now used for industrial purposes and report on the extent to which soybean oil can be replaced by other oils, especially linseed oil, in these uses in order to make more soybean oil available for edible use. (3) Study cross hauling of soybean meal, especially in connection with the other meals. (4) Make recommendations for the distribution of soybean oil meal owned by Commodity Credit Corporation.

72d—OPD—Year

Zinc Wartime Status Told

New Jersey Zinc Company, this city, has issued a folder designed to inform of the wartime status of zinc. It tells the story of the men and equipment behind the wartime production of zinc.

Shipping Information

All matter under this head fully protected by copyright

New York Imports

ALECRIM LEAVES—100 bls, W W Fuchs & Co
CARDAMOM—20 cs, 2,000 lbs, W E Martin
CASHEW KERNELS—2,975 cs, 208,250 lbs, T M Duche & Sons
670 cs, 46,900 lbs, General Food Sales Corp
1,261 cs, 88,270 lbs, W A Camp & Co
1,215 cs, 85,050 lbs, L Dimartisio
1,981 cs, 138,670 lbs, W A Higgins & Co
920 cs, 64,400 lbs, Bowes & Co
2,500 cs, 175,000 lbs, Biddle Purchasing Co
100 cs, 7,000 lbs, Spencer Importing Co
686 cs, 48,020 lbs, Sokol & Co
322 cs, 22,540 lbs, H A Hertle & Co
130 cs, 9,100 lbs, National Nut Co
300 cs, 21,000 lbs, Benoha Co
350 cs, 24,500 lbs, Jacques Missir
1,369 cs, 109,520 lbs, Braun Importing Co
1,000 cs, 70,000 lbs, Frank Jones Libby & Co
331 cs, 23,170 lbs, Kelling Nut Co
326 cs, 22,820 lbs, Wood & Selick
800 cs, 56,000 lbs, A Reggio
CASTOR BEANS—13,600 bgs, 2,040,000 lbs, Spencer Kellogg & Sons
850 bgs, 127,500 lbs, First National Bank
13,928 bgs, 2,094,400 lbs, Baker Castor Oil Co
CINNAMON QUILLS—50 bls, 5,000 lbs, S L Jones & Co
111 bls, 11,100 lbs, C T Wilson & Co
300 bls, 30,000 lbs, Irving Trust Co
COCOA BEANS—30,400 bgs, 6,080,000 lbs
COPRA—3,316 bgs
CUTTLEFISH BONES—18 cs, R Koppel
42 cs, National City Bank
75 cs, Gerhard & Hey
GINGER ROOT—254 bgs, J Henry Schroeder Banking Corp
GRAINS OF PARADISE—37 bgs, Standard Bank of South Africa
GUM—306 bgs, Chicle Development Co
KARAYA—399 bgs, Innis, Speiden & Co
756 bgs, Frank Vliet Co, Inc
KAMALA, PWD—108 bgs, R J Prentiss & Co
36 bgs, J L Hopkins & Co
LEECHES—12 cs
HAIR COW TAIL—4 bls, Corn Exchange Bank Trust Co
15 bls, Hair & Fiber Supply Co
23 bls, N Wagman Co
MARJORAM LEAVES—20 bls, W W Fuchs & Co
OIL, CASHEW SHELL—300 dms, Irvington Varnish & Insulator Co
25 dms, Wood & Selick
CODLIVER—48 dms, National City Bank
533 dms, Elding Trading Co
CITRONELLA—15 dms, H J Prentiss & Co
LEMONGRASS—8 dms, Geo Lueders & Co
6 dms, M Arachtingi
9 dms, 60 cwts, H P Winter & Co
15 dms, 128 cwts, 3 qtrs, Verona Chemical Co
PALM—867 tons, Balfour, Guthrie & Co
PAPRIKA—200 bgs, 28,000 lbs, Morris J Golombeck
50 bgs, 7,000 lbs, Norport Trading Co
50 bgs, 7,000 lbs, J Raphael & Son
100 bgs, 14,000 lbs, Asmus Bros
300 bgs, 42,000 lbs, Judson Sheldon Corp
100 bgs, 14,000 lbs, A G Dunn
150 bgs, 21,000 lbs, Continental Spice Co
300 bgs, 42,000 lbs, Frank Tea & Spice Co
200 bgs, 28,000 lbs, J H Forbes Tea & Spice Co
100 bgs, 14,000 lbs, Sprager Warner & Co
RHUBARB—46 bgs, Kachurin Drug Co
127 bgs, S B Penick & Co
SENNA LEAVES—175 bls, 71,750 lbs, J L Hopkins & Co
52 bls, 20,800 lbs
PODS—15 bls, S B Penick & Co
26 bls
THYME LEAVES—100 bls, Morris J Golombeck

72d—OPD—Year

Baltimore Imports

COCOA BEANS—1,000 tons
OIL, CASHEW NUT—75,487 lbs
CRUDE, 4,022 bbls

72d—OPD—Year

Commercial Solvents Promotes Sliger

H. B. Sliger, manager of the Eastern sales division of Commercial Solvents Corporation, this city, has been appointed assistant general sales manager for the company. Mr. Sliger also has been handling the duties of Lieut. J. V. O'Leary, formerly manager of the Central sales division, since the latter's departure for service with the armed forces. O. R. Brunkow is general sales manager and R. L. Hutchins, New York district sales manager.

H. B. Sliger

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Oils, Fats, and Waxes

Linseed Oil Prices Continue to Advance with Flaxseed—Cottonseed Oil Remains Firm in Southern and Local Markets—Many Products Still Scarce — Business Quiet Here

With many vegetable, animal and fish oils, fats and greases still under close government control and likely to remain so, business in the open market continued quiet last week. Such transactions as were noted were generally limited to small or moderate quantities and the aggregate movement of such lots was apparently no larger than in recent preceding weeks. Quotations were held at former levels as a rule and the tone of the market as a whole appeared to be firm.

A development of interest was a further advance in linseed oil, the rise being a reflection of an upward trend in flaxseed prices in the Northwest where the market was influenced by small receipts and a good demand for cash seed, together with speculative buying on the possibility of strengthening legislation at Washington in connection with loan values for the next flaxseed crop.

An amendment to government regulations covering transactions in tallow and greases was issued early in the week. It is designed to simplify ceiling price control through nation-wide specifications as to grades and designations and became effective January 30. Details will be found in another column.

Vegetable Oils

Babassu.—Stationary and firm at the ceiling. Market quiet, no free oil being available. Kernel importations light in recent weeks.

Castor, Dehydrated.—Ceiling prices continue to prevail, with little available on spot. Market firm with raw material.

Chinawood. — Only comparatively small lots available on spot, occasional transactions in such quantities being noted. Tone firm.

Coconut.—Quiet and nominal here in absence of offerings. Situation on Pacific Coast reported the same.

Corn. — Offerings remained light, mills still being sold ahead to government and other buyers. Firm at recently prevailing prices.

Mustard Seed.—Firm at recently announced ceiling. Output moving steadily to local and other consumers on contracts previously placed.

Oiticica.—New features lacking, the market being quiet in absence of offerings.

Olive. — All descriptions in light supply. Quotations maintained. Tone firm.

Peanut.—Crude is firm at ceiling prices. Offerings light in all primary markets. Refined oil scarce here.

Perilla.—Supplies light and diminishing on spot. Market firm.

Soybean.—Offerings of spot oil still scarce, although crushing said to be gradually expanding. Inquiries reported numerous. Market firm.

Markets at Other Centers

Chicago—January 29

Vegetable oils quiet and steady. Corn, crude, 12¾c. per pound, tanks; refined, edible oil, 15¼c. to 15½c. per pound, drums, car lots. Soybean oil, 11¾c. per pound, mills.

The market for soybeans on the Chicago Board of Trade was quiet. Following is a soybean price record, per bushel, for the week:—

			Closing	
	High	Low	Jan. 29	Jan. 22
May	$1.85½	$1.83⅛	$1.86	$1.83½

San Francisco—January 27

Trading in vegetable oils is practically absent. Coast mills are unable to buy soybeans for crushing. No cottonseed oil offerings. Castor, No. 1, 17c. per pound, f.o.b. Pacific Coast, drums; dehydrated oil, unbodied, 20c.; bodied, 21c. Cottonseed, bleachable, nominal at 14.15c. per pound, tankcars. Oiticica, liquid, quoted 26c. per pound, drums. Mustard seed, crude, quoted 14¼c. per pound, tankcars. Sesame, quoted 15c. per pound, tankcars.

Linseed Oil

The trend of flaxseed prices in Northwestern markets was still upward last week and developments there were reflected in a further strengthening of the linseed oil market here, prices being advanced four to six points by crushers. The advance in flaxseed was attributed to a sharp falling off in receipts as a result of severe Winter weather, and to buying on rumors of impending legislation at Washington which may have a bullish effect upon flaxseed prices. Business in linseed oil remained quiet. Inquiries were noted in some quarters but actual transactions were apparently limited to unimportant quantities. The movement on unfilled contracts was fair.

Minneapolis, Jan. 29. — Linseed oil quiet. Shipping instructions just fair and oil stocks accumulating a bit more rapidly. Mills continue to operate at capacity. Quotations, tankcars, 13.2c. per pound; cooperage car lots, 14.1c. per pound; warehouse lots, 14.5c. per pound.

San Francisco, Jan. 27.—Linseed oil fairly active. Tankcars, 13.5c. per pound; drum, car lots, ex mill, 14.1c.

Chicago, Jan. 29.—Better inquiry for linseed oil. Tankcar, 13.2c. per pound.

London, Jan. 29.—Linseed oil, 46s. 6d. per cwt.

Linseed Meal.—No local offerings. Market quiet and nominal.

Minneapolis, Jan. 29.—Linseed meal offerings extremely light and in acute demand. Shipping instructions very good. All meal put in transit soon as available.

Price Changes

Advanced

Linseed oil, 6/10c. per lb.
Red oil, ½c. per lb.
Stearic acid, ½c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
192.6	191.9	191.7	190.2

Market news that may have developed after this report was sent to press will be found on page 4.

Flaxseed

Flaxseed crop movement small owing to severe Winter weather over the Northwest. Price trend upward. Active inquiry for cash seed.

Minneapolis, Jan. 29.—Flaxseed crop movement very light owing to severe weather. Crushers and seed houses in the market all week. Commission houses principal traders in futures. Advances checked by profit taking. Crushers bought on reactions. Buying stimulated by rumors of impending bullish Washington legislation.

The week's closing flaxseed price range was as follows:—

	Cash	May	July
Saturday	$2.79	$2.70	$2.71
Monday	2.81¼	2.71¼	2.73
Tuesday	2.81½	2.71½	2.72½
Wednesday	2.82	2.72	2.73¾
Thursday	2.87	2.75	2.76½
Friday	...	2.76½	2.78½

Buenos Aires, Jan. 29.—Flaxseed, $1.19¼ per bushel. Exports this week, 39,000 bushels to the Continent. Visible supply, 39,764 bushels.

Hull, Jan. 29.—Flaxseed, Calcutta, £26 per ton; Bombay, £28.

Cottonseed Oil

Stagnation continued to prevail in the local market for refined cottonseed oil futures last week. The open interest is extremely light and seems likely to remain so in view of the government restrictions on all oils and fats. Products which compete with cottonseed oil were firm at ceiling prices, with offerings scarce as

Current prices on animal, vegetable, and fish oils (under Oil), fats and greases (under Grease) are given in the alphabetical list of prices beginning on page 9

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mills are still sold ahead on government and civilian orders.

Crude cottonseed oil remained firm in all parts of the South. Consumers were seeking supplies, but there was little oil available and few transactions were reported. A good inquiry continued to be noted here for cash refined oil, but offerings remained scarce.

Western markets for live hogs ruled firm. Receipts showed some increase, but the movement was lighter than a year ago. The weight of the hogs received in Chicago during the week ended January 23 averaged 248 pounds against 246 pounds in the previous week and 239 pounds in the same week last year. The quantity of cotton ginned to January 16 was 12,100,262 bales against 10,225,179 bales in the same time last year.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from January 25 to January 29, inclusive, comprised nil contracts. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
March	....	....	13.97 bid
May	....	....	14.45 bid

Cash, 13.95c.
Crude, Southeast, 12¾c.

Chicago, Jan. 29.—Cottonseed oil quiet and featureless. Refined, edible oil, 16½c. to 17c. per pound, drums, car lots.

Hull, Jan. 29.—Cottonseed oil, refined, 49s. per cwt.; crude, Egyptian, 39s. 7½d.

Cake and Meal.—Firm tone in all markets. Inquiries numerous. Offerings light.

Markets at Other Centers

Memphis—January 28

Occasional sales of scattered tanks of cottonseed and soybean oil at ceilings. All buyers bidding. Keen demand for cottonseed and soybean meal at ceilings. Situation very tight. Closing cottonseed meal quotations on Memphis exchange were as follows:—

	Jan. 21	Jan. 28
January	$39.00@—	$39.00@—
February	39.00@—	39.00@—
May	38.75@—	39.00@—

Atlanta—January 27

Cottonseed and peanut meal production behind demand. Meal and oil prices remain at ceilings.

Fatty Acids

The firm position of raw materials continued to be reflected in the market for fatty acids. Interest on the part of consumers showed some increase, although much of the purchasing was still apparently of a conservative character, buyers being disinclined in many cases to anticipate to any material extent. Red oil and stearic acid were advanced ½c. per pound.

Chicago—January 29

Trade in fatty acids moderate. Corn oil, double distilled, 14c. to 14½c. per pound, tankcar; cottonseed oil, double distilled, 14c. to 14½c. per pound, tankcar; boiled down soap stock, 60 percent basis, 4⅞c. to 5c.; cottonseed foots, 50 percent basis, 3½c. to 3½c.

Fish Oils

Menhaden.—Refined oil consumers purchasing merely for current needs. Market firm.

Sardine.—Fair inquiry for small or moderate lots of refined oil. Tone firm.

Markets at Other Centers

San Francisco—January 27

No sardine fishing owing to full moon. Very little more oil will be made and production will be at least 25 percent less than last year. Bidding apparently useless. The price ceiling is 66.75c. per gallon in tankcars for crude California sardine.

Baltimore—January 27

No crude menhaden oil offerings this week. Bad weather halted North Carolina fishing. Florida season not started.

Fats and Greases

Grease.—Situation here still featured by good inquiry, light offerings and a firm tone. Changes in grade specifications, effective January 30; details in another column.

Lard.—Local cash market remains firm. Spot supplies generally light. Fairly active inquiry. Hog markets firm.

Tallow.—Effective January 30, grade specifications changed; details in another column. Spot tallow still scarce. Numerous inquiries but few transactions.

Chicago, Jan. 29.—Choice white grease, 8⅛c. per pound; oleo stearin, 10.61c.; inedible tallow, prime, 8⅝c.

Animal Oils

Lard.—All grades wanted by local and other consumers. Market firm.

Neatsfoot.—Inquiry continued good. Local supplies still light. Tone firm.

—*Continued on page 49*

Speaker on 'Conjulin'

Handy & Boessers

J. Edmund Good, vice-president in charge of sales for the Woburn Degreasing Company of New Jersey, Harrison, N. J., has a schedule of speaking appointments before the various clubs of the Federation of Paint and Varnish Production Clubs and other business organizations on the subject of the company's new synthetic drying oil "Conjulin."

Current Market Quotations

—*Continued from page 31*

Zinc oxide,[2] pigment, leaded, 5%, bgs., c.l., dlvd..lb.	.07½	—
l.c.l., dlvd.....lb.	.07¾	—
bbls., c.l., dlvd....lb.	.07¾	—
l.c.l., dlvd.....lb.	.07¾	—
35% or more, bgs., c.l., dlvd..lb.	.07	—
l.c.l., dlvd.....lb.	.07¼	—
bbls., c.l., dlvd....lb.	.07¼	—
l.c.l., dlvd.....lb.	.07¼	—
Prices on West Coast ½c. per lb. higher.		
French process, com'l, lead free, bgs., c.l., dlvd..lb.	.07½	—
free, bgs., c.l., dlvd..lb.	.07¾	—
l.c.l., dlvd.....lb.	.07¾	—
bbls., c.l., dlvd....lb.	.07¾	—
l.c.l., dlvd.....lb.	.07¾	—
green seal, bgs., c.l., dlvd., lb.	.09	—
l.c.l., dlvd.....lb.	.09¼	—
bbls., c.l., dlvd....lb.	.09¼	—
l.c.l., dlvd.....lb.	.09¼	—
red seal, bgs., c.l., dlvd.lb.	.09½	—
l.c.l., dlvd.....lb.	.09¾	—
bbls., c.l., dlvd....lb.	.09¾	—
l.c.l., dlvd.....lb.	.09	—
white seal, bgs., c.l., dlvd., lb.	.09½	—
l.c.l., dlvd.....lb.	.09¾	—
bbls., c.l., dlvd....lb.	.09¾	—
l.c.l., dlvd.....lb.	.10	—
imported, gold seal, cks., ex whse..lb.	.10	—
green seal, bbls., ex whse. lb.	No prices	
white seal, cks., ex whse.lb.	No prices	
USP, c.l., 50-lb. bgs.....lb.	.10½	—

Zinc oxide prices in l.c.l. are ¼c. higher. Lead-free add 5% and 35% leaded zinc oxide in car lots are ¼c. per lb. higher delivered Pac. Cst., and in less car lots are ½c. per lb. higher ex whse. Pac. Cst.; 50% leaded is 5.5c. per lb. higher for car lots delivered Pac. Cst.

Palmitate, bbls.....lb.	.22	.23
Resinate, fused, pale, bbls...lb.	.11	.12
precip., dms., dlvd.....lb.	.15	—
Silicofluoride, bbls.....lb.	.15	.18

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Chemical Engineers
CORROSION PREVENTION
25 years specialized experience in all types of water problems.
423 WEST 126th ST.
NEW YORK, N.Y.

WEISS and DOWNS, Inc.
CONSULTING ENGINEERS
PHTHALIC ANHYDRIDE
50 East 41st Street, New York, N. Y.

Wiley & Co., Inc.
Analytical and Consulting Chemists
Specializing in Analysis of Beverages, Fertilizers, Phosphates, Wood Pulp, Coal and Coke, Feeding Materials, etc.
Calvert and Read Streets, Baltimore, Md.

Zinc, stearate, tech., precip., or USP, ton lots	lb.	.30	—
less than ton lots	lb.	.31	.33
Sulphate, cryst., bgs., c.l.	100 lbs.	3.60	—
l.c.l.	100 lbs.	4.35	—
bbls., c.l.	100 lbs.	3.85	—
l.c.l.	100 lbs.	4.60	—
flake, bgs., c.l.	100 lbs.	4.10	—
l.c.l.	100 lbs.	4.85	—
bbls., c.l.	100 lbs.	4.35	—
l.c.l.	100 lbs.	4.80	—
powd., bgs., c.l.	100 lbs.	5.80	—
l.c.l.	100 lbs.	6.55	—
bbls., c.l.	100 lbs.	6.05	—
l.c.l.	100 lbs.	6.80	—
Sulphide,[1] pure, bgs., c.l. (20 tons), dlvd.	lb.	.06½-	—
l.c.l., dlvd.	lb.	.06½-	—
bbls., c.l. (20 tons), dlvd.	lb.	.06½-	—
l.c.l.	lb.	.06¾-	—
barium, pigment, bgs., c.l., dlvd.	lb.	.0560-	—
l.c.l., dlvd.	lb.	.0585-	—
calcium pigment, bgs., c.l., dlvd.	lb.	.0560-	—
l.c.l., dlvd.	lb.	.0585-	—
magnesium, pigment, bgs., c.l., dlvd.	lb.	.05¾-	—
l.c.l., dlvd.	lb.	.06	- —
Yellow (See Yellow, Zinc) chrome (see Yellow, zinc)			

[1] Sulphide delivered to Pac. Cst. is ¼c. per lb. higher for the pure and ½c. for the others.

Sulphocarbolate, NF, bbls., dms., lb. .26 - .31

Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.62	—
l.c.l., works	100 lbs.	6.70	—
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.06	—
l.c.l., dlvd., E. of Rockies	lb.	.06¼-	—
dlvd., Pac. cst.	lb.	.06½-	—
ex whse., Pac. cst.	lb.	.07	—
Zirconium nitrate, kgs., works	lb.	3.00	- 4.00
Oxide, crude, 70-75%, gr., bbls., works	ton	75.00	-100.00
white, 99%, grd., kgs., works.	lb.	1.80	- 2.00

Wm. Diehl & Co.
CANDELILLA WAX
CARNAUBA WAX
HIGH M. P. SUBSTITUTE
SHELLAC
332 W. 42nd St. — **New York**
Phone: BRyant 9-5211

Oils, Fats, Waxes

—Continued from page 49

Waxes

Brazilian shippers of carnauba wax seem to be taking full advantage of what they evidently consider a situation definitely favorable for them. The loss of more than a million dollars worth of wax when a ship was sunk by a German submarine means that more wax must be bought to use the import permits likely to be reissued but the Brazilian shippers' present price views would preclude such purchases unless heavy loss should be disregarded by the wax importing trade of this country. Last week, reports said Brazilian rubber producers were hiring carnauba wax laborers in Ceara, offering wages much higher than wax collection would command. Against this was the belief in some quarters that because importations of carnauba have been curtailed by the WPB quota system, there is probably considerable unsold wax available there. But no one knows but the Brazilians.

Beeswax remained strong at all points. Candelilla was firm but dealers reported something in the nature of a bottleneck exists at Laredo, Texas, and wax is not coming forward in satisfactory quantities.

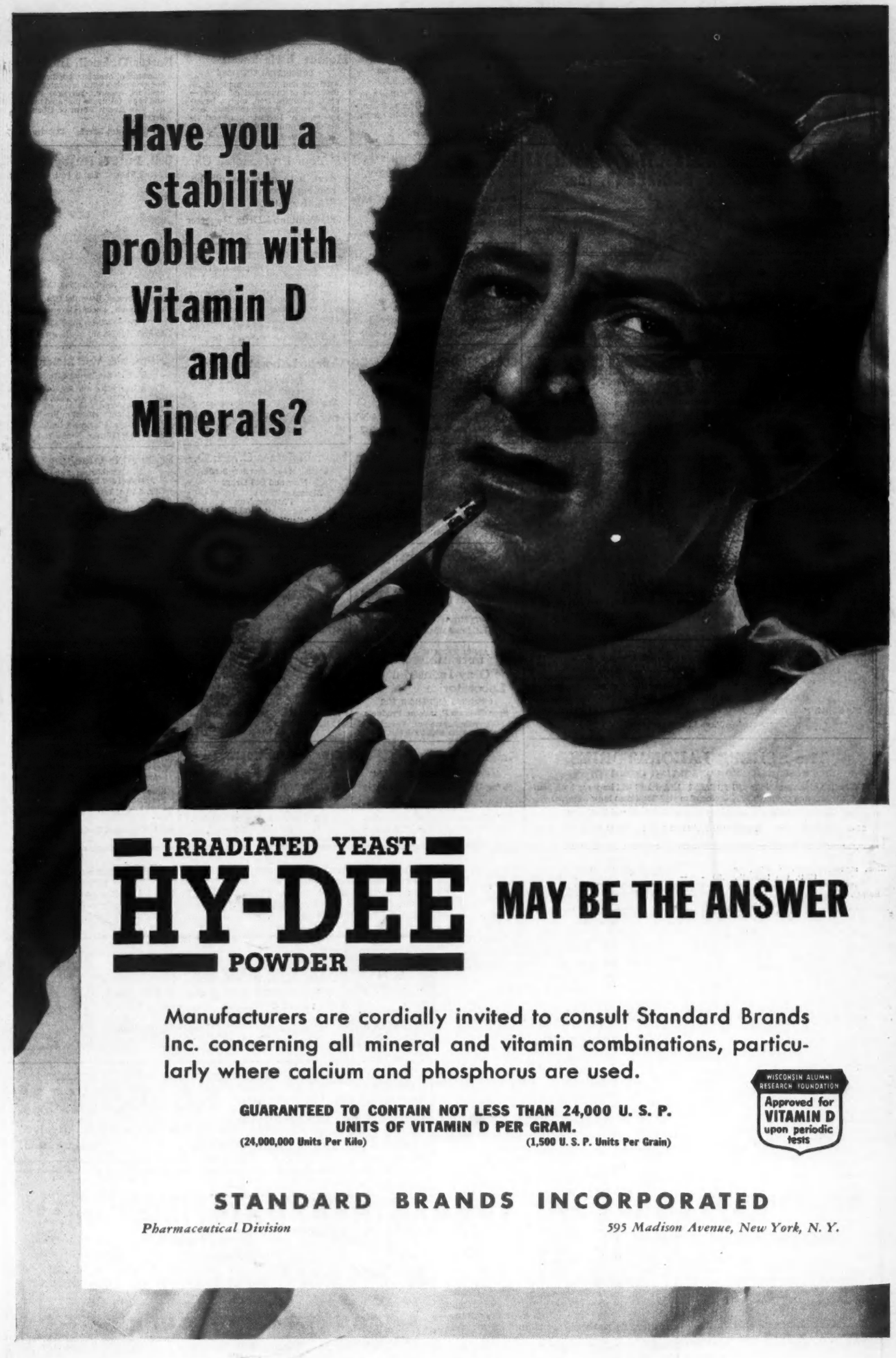
R. G. Boyd, manager of planning and scheduling in the tire division of the B. F. Goodrich Company, Akron, has joined the allocation division of the War Production Board.

SUN BLEACHED
Beehive Brand **BEESWAX**
• Finest Quality
• Guaranteed Pure
WILL & BAUMER CANDLE CO., INC.
Dept. E-2 — Syracuse, N. Y.
Established 1855
Spermaceti — Red Oil — Glycerine
Ceresine — Stearic Acid
WARRANTED PURE BEES WAX

The best that can be produced. It is 100% PURE BEESWAX and measures up to all the requirements of the U. S. P.
SPECIFY TL BRAND
BEESWAX
THEODOR LEONHARD WAX CO., INC. (Dept. A)
Haledon — ESTABLISHED 1852 — Paterson, N. J.

AMCON
AMORPHOUS WAXES
Melting Points — 100° F. to 200° F.
Penetration — 2 to 180
COLORS:
BLACK, AMBER, YELLOW, WHITE
AMCON TRADING CORPORATION
29 Broadway — New York, N. Y.

OPD—2-1-1943


Have you a stability problem with Vitamin D and Minerals?
IRRADIATED YEAST
HY-DEE
POWDER
MAY BE THE ANSWER
Manufacturers are cordially invited to consult Standard Brands Inc. concerning all mineral and vitamin combinations, particularly where calcium and phosphorus are used.
GUARANTEED TO CONTAIN NOT LESS THAN 24,000 U. S. P. UNITS OF VITAMIN D PER GRAM.
(24,000,000 Units Per Kilo) (1,500 U. S. P. Units Per Grain)
WISCONSIN ALUMNI RESEARCH FOUNDATION
Approved for VITAMIN D upon periodic tests
STANDARD BRANDS INCORPORATED
Pharmaceutical Division
595 Madison Avenue, New York, N. Y.

Drugs and Fine Chemicals

Quinine Sales Eased Under Certain Specific Conditions—Sparteine Sulphate Moving at Lower Levels—Also Natural Methyl Acetone — Cross-Hauling Order Making

Developments in the market for drugs and fine chemicals last week were more in the nature of possible events to come than in the form of things actually done. To be sure, soda sulphocarbolate was selling slightly higher, and sparteine sulphate was definitely lower, while in emetine hydrochloride, those with goods to meet any and all requests sold at prices far higher than those named in quarters admitting short stocks and a virtual restriction of deliveries to the calls of Federal agencies. Others had nothing and did not quote.

Cross-hauling restrictions appear to be on the agenda of the Office of Defense Transportation. A peek into what was being studied and formulated early last week showed a cross-hauling order involving molasses, caustic soda, acetone, butyl acetate, corn syrup, ethyl acetate, and methanol and setting up the conditions under which those, and propably other chemicals, may or may not be shipped in tankcars and tanktrucks. Considerable discussion regarding the possibility, even probability, of cross-hauling regulation reaching below the tank bracket of deliveries went the rounds. It seemed possible that molasses used to make citric acid or yeast might be exempt from control for the time being.

No further report concerning progress, or lack of it, in the matter of setting definite dollars and cents ceilings on caffeine, coumarin, vanillin, ethyl vanillin, saccharin and theobromine was received. The ceilings are expected to be born within the next thirty days.

Quinine sales in certain quantities were eased as regards material made prior to January 9. Details appear elsewhere in this issue.

Price Changes

Advanced

Soda sulphocarbolate, 2c. per lb.

Reduced

Methyl acetone, natural, 15c. per gal.
Sparteine sulphate, $1 per oz.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
240.1	240.1	240.1	240.7

Market news that may have developed after this report was sent to press will be found on page 4.

Acetone.—Cross hauling order may issue soon covering conditions under which this item may or may not be shipped in tankcars and tank trucks.

Acid, Ascorbic.—Excellent demand maintained strongly and reaching high volume at all times.

Acid, Benzoic.—Active. Demand persistant. Stocks conservative in line with production capacity at present time.

Acid, Citric.—Strong and scarce. Outlook favors continuing movement of large quantities on Federal demand.

Acid, Nicotinic.—No change in high demand and favorable prices.

Acid, Tartaric.—Firm to strong with the producers whose stocks of raw material have yet to show increase. Nor are there definite signs of an early exploitation of the possibilities stemming from the capture of North Africa eventually.

Aconitine.—Requirements being met fairly well and with reasonable promptness, but there is no surplus of stocks.

Agar.—Local activity rather quiet. Prices hold steady on spot.

Alcohol.—Little to report save that the goal of all producers is to increase production when and where possible. National consumption is running to high totals and estimated requirements for 1943 make larger production a first order "must." Building of new plants runs into the obstacles of raw material availability, and it is reported that some ingenious devices have cut down considerably on the use of critical materials.

Aloe.—Very strong and hard to get in the main primary market. Contributes much to the cost of producing aloin.

Aloin.—GMPR ceilings govern and come in conjuncture with the fact that the cost of raw material has risen considerably since the current price schedule was set up.

Aminopyrene.—Stocks seem able to care for the very good demand current. The undertone remains firm and prices continue well stabilized.

Ammonia Iodide.—The price is minimum at $3.65 per pound and has been stable thereat for a long time past. Demand was up moderately last week.

Ammonia Salicylate.—Improved demand gave confirmation to recent quotations.

Antipyrene.—Steady. Good demand met with satisfactory deliveries.

Barium Iodide.—No more packing in jars. Deliveries in bottles and market holds minimum at $4.62 per pound.

Bismuth Metal and Salts.—Goes under complete allocation February 1 so far as metal is concerned. Nothing in allocation order specified position of salts. War needs rising from scarcities of other metal will get first call on stocks.

Bromine and Bromides.—Demand runs to high totals. Production well engaged. Little chance to accumulate substantial reserve stocks.

Butyl Acetate.—Cross hauling order may issue soon covering conditions under which this item may or may not be shipped in tankcars and tanktrucks.

Cadmium Metal and Salts.—Strong and active market with stocks on reserve reported exceptionally moderate. War needs run high on metal.

Caffeine.—Trade comment regarding ceiling action quiets down as producers and sellers await ultimate pronouncements by OPA. Demand continues active.

Calcium Gluconate.—Some gain in activity contributes to very firm position of this item. Practically no competition on spot.

Calcium Mandalate.—Values well supported by demand of steady sort.

Castor Oil.—CCC is the buyer and its price to Brazilian sellers remains at $75 per long ton f.o.b. Brazilian ports. Oil active and producers can use all the beans provided for them.

Chicago, Jan. 28.—Call for castor oil good. Price structure firm. Buyers willing to take additional quantities. Offerings not large. Prices are:—Cold pressed, U.S.P., 14½c. per pound, returnable drums, car lots; 15¼c., drums, less than car lots; 12¾c., tanks; No. 3, extracted, 14½c. per pound, drums, car lots; 15c., drums, less than car lots; 13½c., tanks.

Chalk.—Precipitated material confirmed in definitely well stabilized price position. Demand mainly satisfactory. Deliveries fair.

Codeine.—Stable in price and subject to excellent demand, much of which covers requirements of armed forces. Civilian requirements show normal, seasonal gain.

Codliver Oil.—No further reports of Food Distribution Administration buying. Likely to enter the market at any time. Meanwhile, civilian consumption reaches excellent totals and finds no surplus stocks.

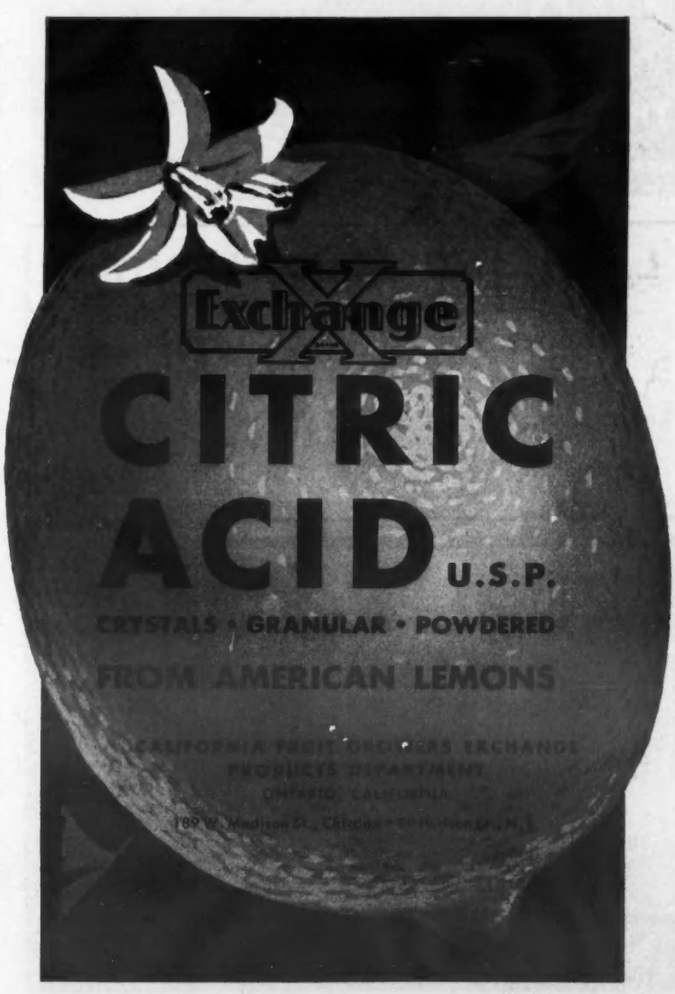
Cream of Tartar.—At the moment, conditions suggest no early increase in raw materials for making this item. Output conservative. Demand steady.

Corn Syrup.—Cross-hauling order may issue soon covering conditions under which this item may or may not be shipped in tankcars or tanktrucks.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 9

ICHTHOPURE
Brand of
ICHTHAMMOL N. F. VII

CHEMO PURO
Manufacturing Corporation
48th AVENUE AND FIFTH STREET
LONG ISLAND CITY, N.Y.



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PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
220 East 42nd Street, New York City

VITAMIN PRODUCTS
FISH LIVER OILS—CONCENTRATES
THE ATLANTIC COAST FISHERIES COMPANY
111 JOHN STREET, NEW YORK, N. Y.

COD LIVER OIL
U. S. P.
H. H. ROSENTHAL CO., 25 East 26th Street, New York City
Cable Address "Rodrug" All Codes

NATIONAL BRAND
MILK SUGAR
QUALITY STANDARD THE WORLD OVER SINCE 1883
ALPHA LACTOSE
BETA LACTOSE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
350 MADISON AVENUE NEW YORK, N. Y.

BPC
BENZOL PRODUCTS COMPANY
237 SOUTH STREET, NEWARK, N. J.
MANUFACTURERS OF FINE CHEMICALS
Ethyl Cyanoacetate

LEGHORN TRADING CO., Inc.
21 West Street Telephone WHitehall 3-9636-7-8 New York City
TARTARIC ACID
CREAM OF TARTAR
PURE IMPORTED EDIBLE OLIVE OILS
OLIVE OIL FOOTS
RED OIL
PALM OIL
RAPESEED OIL
TEASEED OIL
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Specialists in Finest California Edible Olive Oil

EDWAL
Ammonium Thiosulfate
Phenyl Isothiocyanate
Phloroglucinol (Phloroglucin)
Sodium Cyanate
New Price Bulletin No. 26-O lists over 65 other Edwal Specialties. Write for your copy!
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LABORATORY REAGENTS
Inorganic and Organic Chemicals
Biological Stains Solutions
Chemical Indicators Test Papers
THE COLEMAN & BELL COMPANY
INCORPORATED
NORWOOD Manufacturing Chemists OHIO, U. S. A.

LAMON CHEMICAL CORP.
Manufacturers of
NIKETHAMIDE
All CACODYLATES
551 5th AVENUE, NEW YORK, N. Y. Telephone: MU 2-3753

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Viscosity Control of Oil Modified Resins
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(Atlas Commercial Sorbitol Solution)
Softener and Conditioner
Arlex—Reg. U. S. Pat. Off.
CHEMICALS ATLAS EXPLOSIVES
ATLAS POWDER COMPANY
Industrial Chemicals Dept. Wilmington, Delaware
Save Metal Help Delivery
Return Drums to Atlas

VINYL ACETATE
(STABILIZED)
Boiling Range:— 71.8° C. to 73° C.
Containers:— Returnable 55-gal. drums, 410 lbs. net weight.
Uses:— Preparation of Poly-vinyl acetate, alcohol, and acetal resins.
Preparation of sulfa-type pharmaceuticals.
The vinyl group is very reactive in all halogen and halogen acid reactions, and addition reactions with other unsaturated or polymerizable materials as ethylene, amylene, coumarone, and turpentine.
NIACET CHEMICALS CORPORATION 4703 PINE AVE., NIAGARA FALLS, NEW YORK

Emetine.—One large producer confirms business at minimum of $33 per ounce. One fine chemical house has price of $21 but reports a crisis in supply with the Federal government taking most available. Another reports absolutely nothing available. One former seller is out of business. Another declares short supplies prevent taking more business at any price. Brazil reported offering at $37.50 per ounce duty paid and trying to persuade Brazilian government to institute more control over ipecac root with view to helping Brazilian emetine makers.

Ethyl Acetate.—Cross hauling order may issue soon covering conditions under which this item may or may not be shipped in tankcars and tanktrucks.

Ephedrine.—Seasonal expansion in consumption notable, making an active market for synthetic material that is available at the lowest prices in history of the item.

Eserine.—Fair reserves in some quarters while others report lack of more than token stocks at this time.

Fish Liver Oils.—With government main buyers, this market awaits further activity on part of Food Distribution Administration. Stocks reported in fair shape.

San Francisco, Jan. 27.—Lower grade A oil from shark livers being purchased in a fairly good manner for use in feedstuffs, but government is apparently only substantial buyer of higher grades. 10,000 to 15,000 unit A oil named at 9c. to 9½c. per million units; 100,000 unit oil at 15c. Shark fishing reported good.

Glycerin.—Soap makers released about 50 percent of their tankcars and from 35 to 40 percent of box cars used for shipping their products. This situation reported by the Glycerin Industry Advisory Committee. Move made with a view to easing the general transportation shortage. Glycerin market unchanged as a unit. Active and strong under high volume of national needs.

Chicago, Jan. 27.—Movement reported fairly good in glycerin. Prices for both chemically pure and high gravity are:—Tankcar, 18c. per pound; drums, car lots, 18¼c.; drums, less than car lots, 18¾c.

Menthol.—Natural menthol practically clear of spot stocks. Only odd lots noted. Owners inclined to hold for possible rise in permitted ceiling. Declared that production from American peppermint oil would require ceilings be established by OPA.

Mercurials.—Stabilized and subject to normal activity in market lacking more than moderate reserve supplies.

Milk Powder.—Operations of the Food Distribution Administration on January 20 involved 100,000 pounds spray process skim milk powder. On January 19, 4,159,374½ pounds of spray process skim milk powder. The material was bought at 14½c. per pound.

Methanol.—Cross hauling order may issue soon covering conditions under which this item may or may not move in tankcars and tank trucks. Outlook for future points to imperative need for every gallon possible of production.

Molasses.—Cross hauling order may issue soon covering conditions under which this item may or many not be shipped in tankcars and tank trucks.

Quicksilver.—National needs being met for most part by deliveries made from stockpile controlled by Federal government. Production on Pacific Coast being pinched back in bad weather. Local activity routine.

San Francisco, Jan. 27.—Storm damage will cause a drop in quicksilver production here this month. Meantime there is an increasing demand. Metal moving at the ceiling.

Quinine.—Any anti-malarial agent manufactured prior to January 9 is subject only to restrictions in force before that date. This easing of quinine control was effected through an amendment to the quinine control order M-131 issued by the Director General of Operations on Jonuary 27, WPB wants all pharmacists to contribute to the national quinine pool all their stocks of quinine and cinchona alkaloids. The American Pharmaceutical Association at 2215 Constitution avenue, Washington, D. C., is the government agent.

Santonin.—Demand gains some as a few larger consumers consider protection of a part of their Spring requirements.

Silver Nitrate.—The schedule of silver nitrate prices since the last report in 250-ounce quantities—500 ounces would cost ¼c. less—together with comparative prices on silver bullion in New York and London, was as follows:—

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	32⅝	44⅝	23⅛
Monday	32⅝	44⅝	23⅛
Tuesday	32⅝	44⅝	23⅛
Wednesday	32⅝	44⅝	23⅛
Thursday	32⅝	44⅝	23⅛
Friday	32⅝	44⅝	23⅛

Soda Sulphocarbolate.—Selling higher at 28c. to 30c. per pound, moving steadily in good volume thereat.

Sparteine Sulphate.—Market reduced to minimum of $2.25 per ounce. A deal more competitive and lacking in substantial consumer request.

Strychnine.—Very firm and completely stabilized. No desperate shortage of raw material has risen yet. Way to Far East still open.

Totaquine.—No further price decline. Beneath surface of market a considerable contest goes on but does not involve all concerned with the production of this comparatively newcomer to the American anti-malarial market.

72d—OPD—Year

Pest Control Operators' Conference will be held at the University of California, Berkely, Calif., February 5.

W.P. Cohoe Nominated For S.C.I. Presidency

—Continued from page 3

nadian section in 1912 and chairman of the American section in 1938-40.

Dr. Cohoe was born in Norwich, Ont., in 1875. He was educated at McMaster University, Toronto, and Harvard University. Early in his career he was professor of chemistry at McMaster University.

His work in the chemical field has been to a large extent related to cellulose and textiles. In 1913 he designed a process and commercially produced sausage casings from viscose. Basic patents on this process were obtained in countries all over the world. He was the first to show that only the cellulose content of sawdust is hydrolyzed to fermentable sugars.

72d—OPD—Year

American Home Corp. to Buy Ayerst, McKenna & Harrison

American Home Products Corporation plans to acquire, by March 1, the capital stock of Ayerst, McKenna & Harrison, Ltd., in exchange for 24,000 shares of its own capital stock and $930,000 cash. Ayerst, McKenna & Harrison manufactures biological, hormone, vitamin and other pharmaceutical products, principally in Canada.

72d—OPD—Year

So. American Cinchona Sources to Be Studied

Dr. Walter H. Hodge, instructor in botany at Massachusetts State College, has been appointed by the Board of Economic Warfare to aid in the search for new sources of quinine in South America. He will accompany an expedition to search the slopes of the Andes in Peru for usable species of cinchona.

72d—OPD—Year

Eaton Now Major

Berrien Clark Eaton, president of Eaton-Clark Company, Detroit, and now on duty in the Office of the Chief of the Chemical Warfare Service of the U. S. Army in Washington, D. C., has just been promoted from the rank of captain to that of major.

STANDARDIZED STEARATES
Eliminate Guesswork

TYPICAL ANALYSIS OF MALLINCKRODT STANDARD STEARATE PRODUCTS

Name	Bulk in Fl. Oz. per Lb.	Metallic Oxide	*Extractable Acid	Softening Point
Aluminum Stearate Technical M	52	15%	6%	170° C.
Aluminum Stearate Technical D	54	8.4%	7%	157° C.
Aluminum Stearate Technical D 5-47	58	8.7%	4.8%	160° C.
Aluminum Stearate Technical D Fluffy	70	8.2%	8%	148° C.
Flatting Agent No. 22	70	8%	7.5%	.....
Aluminum Stearate Technical T D (Formerly named No. 1-49)	80	7.7%	15%	130° C.
Aluminum Stearate Technical T	48	6%	25%	109° C.
Aluminum Stearate Technical T for Paint & Varnish Manufacture	76	6%	24%	115° C.
Calcium Stearate Technical	35	9%	1.5%	125° C.
Calcium Stearate Impalpably Powd.	125	9%	1.5%	146° C.
Zinc Stearate U.S.P. XI	160	14%	2%	118° C.
Zinc Stearate U.S.P. XI "S"	160	14%	2%	120° C.
Magnesium Stearate Technical	40	6.8%	2.5%	125° C.
Magnesium Stearate Impalpably Powd.	140	6.8%	2.5%	125° C.

The water content of stearates is limited to 1%. In most cases the actual amount is less.
The water-soluble material is also limited to 1% and is usually less.
**The "Extractable Acid" is determined by extraction with boiling Acetone.*

WHETHER you use Stearates in

LUBRICANTS
PAPER COATINGS
PAINTS & VARNISHES
WATER REPELLENTS
COSMETICS
PHARMACEUTICALS

or to modify the properties of other colloidal systems.

MALLINCKRODT STEARATES
simplify your processing problems, make it easier for you to maintain uniformity of your product. Our long experience in producing STANDARDIZED STEARATES is your assurance of maximum lot-to-lot dependability.

Standardized Stearates of Aluminum, Calcium, Magnesium, and Zinc are now available. Special applications of the soaps of many other metals have been studied in our laboratories. We invite you to draw on our extensive experience in the application of the Standardized Stearates, or to confer with us on your particular needs for other metallic soaps. Call our representative or write us today for the New Product Data Booklet on Stearates.

FINE CHEMICALS Mallinckrodt SINCE 1867

MALLINCKRODT CHEMICAL WORKS
QUALITY IN QUANTITY
76 Years of Service to Chemical Users

FOR VICTORY BUY UNITED STATES WAR BONDS STAMPS

ST. LOUIS • PHILADELPHIA • CHICAGO • NEW YORK • MONTREAL • LOS ANGELES

Standard Brands Revamps Pharmaceutical Division

The pharmaceutical division of Standard Brands, Inc., this city, has been reorganized under Charles L. Bowman, manager. John LaWare, formerly in charge of bulk vitamin sales in Chicago, becomes sales manager, bulk products. John W. Clissold, formerly in charge of bulk products on the Atlantic coast, becomes sales manager of consumer products.

72d—OPD—Year

Theurer Succeeds Green

Louis F. Theurer, industrial sales manager, Milwaukee Paint Division of the Pittsburgh Plate Glass Company, has been appointed West coast divisional director, succeeding Floyd S. Green, who is retiring. Mr. Theurer begins his new duties March 1. R. I. Ogle, industrial paint sales representative in the Chicago territory, will be industrial sales manager at Milwaukee.

72d—OPD—Year

N.Y. Paint Club Pays Tribute To Schnell, Moore, Sidford

Tribute to the late Harry J. Schnell, of OIL PAINT AND DRUG REPORTER, L. P. Moore, of Benjamin Moore & Co., and Henry G. Sidford, of the National Lead Company, long prominent members of the New York Paint, Varnish and Lacquer Association, who died within a few weeks of each other, was paid at the January 28 meeting of the association at the Biltmore hotel. Louis Gillespie, president, was in the chair.

The audience was thrilled by the personal war experiences of Corporal Corcoran, of the Marines, and Gunner's Mate Lambert, of the Navy, just back from the Southwest Pacific. They were interviewed at the microphone by Lieut. John D. Lodge, U.S.N. The Navy's technicolor film, "Battle of Midway," was also shown.

72d—OPD—Year

'Stams' Promotion Set

Standard Brands, Inc., this city, will launch a sales promotion campaign for 'Stams,' the new multi-vitamin and mineral tablet, in six Midwest States. The product will be marketed through the drug trade exclusively.

Spear-head of the campaign will be the Charlie McCarthy program on the NBC network which will advertise 'Stams' in the above area every week, beginning February 28. Announcements will also be carried Monday through Friday, on "The O'Neills," popular daytime program also in the same area on the NBC network. Special 4-color window and counter display material is being provided.

72d—OPD—Year

F.E. Dollard Joins Philipp Brothers

Frank E. Dollard has joined the chemical sales department of Philipp Brothers, this city. Mr. Dollard was for eleven years affiliated with the sales staff of the American Cyanamid & Chemical Corporation, this city, and more recently with George Uhe & Co., as head of its chemical department.

F. E. Dollard

Phillipp Brothers, Inc., with main offices in 70 Pine street, this city, and branch offices in Boston and Providence, handles a wide line of industrial chemicals, ores, and metals and carries warehouse stocks at New York, Boston and Salem, Mass., Woonsocket and Providence, R. I.

72d—OPD—Year

Rubber Problem Resolves Into Charges

—Continued from page 7

production schedules of other programs where this can be done. The 55 percent program, he figured, would give a capacity of 500,000 tons of synthetic rubber annually by the end of 1943, the minimum amount needed to meet military, lend-lease, and essential civilian needs, he said.

Mr. Nelson testified that there are five major programs in conflict with each other—rubber, aviation gasoline, escort vessels, planes, and merchant ships. Heat exchanges and converters are the items most in demand, but there are other materials for which all programs are competing.

Jeffers Raps "Experts"

Mr. Jeffers blast at the "experts" and "expediters" was made at a round-table conference of the Council of State Governments in Baltimore and brought a howl from the Office of War Information because the speech had not been submitted to it before delivery. He said:—

We read in the papers that 55 percent of the rubber program is going to be authorized and that the navy says if they don't get the materials for their escort vessels for convoys that we'll have to fight the war on the Mississippi.

Fifty-five percent of what? My job is to get some rubber plants built and in operation. We're trying to do in a year what would take ten years or more in peacetime. It can be done and is going to be done, although I don't know just how.

But we have too many experts in rubber in Washington, just as we have too many experts in a lot of things. We are interested in keeping our civilian economy running, so let's have a little more practical thinking as to just what the problem is.

Of course, it's true that we need more 100-octane gas and more escort vessels, but I say we can get them all and still build the rubber plants we need, if we'll get production in this country up to where it ought to be.

We've got too many so-called "expediters" in these big plants—army and navy commissioned officers. One day it's the army and the next day it's the navy, and seemingly it's a battle between how many stars and how many bars are most important.

If we can keep the army and navy loafers out and let the men in charge run the plants, we'll get the production we need out of them, and we will be able to keep the country on rubber.

One outcome of the controversial crossfire is the introduction by Representative Rowe of a bill (HJRes73) to create a committee to determine the relative importance of rubber, escort vessels, and aviation gasoline to the prosecution of the war.

72d—OPD—Year

G.G. Rheuby Retires From Hercules Powder

Gould Grant Rheuby has retired as vice-president of the Hercules Powder Company, Wilmington. Mr. Rheuby, who had been with the company since April 1, 1913, also relinquished his place on the directorate and as a member of the finance committee. C. A. Bigelow, who has been serving as a vice-president and a member of the executive committee relinquished the latter post to succeed Mr. Rheuby on the finance committee.

72d—OPD—Year

Steiner Quits OPA For BEW Post

Benjamin F. Steiner, formerly administrative assistant to Frank Delgado, chief of the Drugs and Fine Chemicals Section of the Office of Price Administration, has resigned to become a special assistant in the Board of Economic Warfare.

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ATROPINE SULFATE

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Obituaries

Henry J. Bowerfind

Henry J. Bowerfind, president of the Fort Wayne Drug Company, Fort Wayne, Ind., and honorary president of the National Wholesale Druggists Association, died January 28. He was sixty-eight years old.

Mr. Bowerfind was a native of Adrian, Mich. After graduating from the University of Michigan as a pharmaceutical chemist in 1896, he was in the retail drug business for some three years, the latter part of the period in Fort Wayne. When the Fort Wayne Drug Company was organized in 1899, he was engaged as manager of its sundries department. Two years later he was elected secretary of the company and general manager of the business. He was made vice-president in 1920 and twelve years later he was elected to the presidency of the company.

Mr. Bowerfind was a vice-president of the National Wholesale Druggists in 1931, and he served as a member of its board of control from 1924 to 1927.

Edwin J. Haley

Edwin James Haley, former president of the Quebracho Production Company and consultant for the International Products Corporation, this city, when he retired two years ago after forty-eight years in the leather processing field, died in Buch Hill Falls, Pa., January 25. He was seventy-two years of age.

J. Frederick Hartlieb

J. Frederick Hartlieb, president of the Continental Can Company, died in a hospital in this city January 26 after an illness of one month. He was sixty-five years of age.

In 1927 Mr. Hartlieb joined the Continental Can Company as assistant to the president, becoming a vice-president in 1928 and a director in 1929. He was made a member of the executive committee in 1934 and executive vice-president in 1936. In 1940 he became president of the company.

Capt. Robert S. Holt

Capt. Robert S. Holt, of the Army Air Forces, died of wounds incurred during the battle in the Southwest Pacific area early this month, according to word received here last week. He was forty-two years of age.

Capt. Holt, who was commissioned last May, was president of Finlay, Holt & Co., Ltd., import and export merchant, this city. He was also treasurer of Park, Benziger & Co., Inc., spirits importer, this city, and treasurer of H. P. Inniss & Co., export commission merchant, this city. He was a director and former president of the Algin Corporation of America, chemical manufacturer, Rockland, Me.

Cesare Protto

Cesare Protto, assistant general manager of the organic chemicals department, E. I. duPont de Nemours & Co., died at the Delaware hospital January 22 after an illness of several months. He was fifty-nine years of age. Born in Biella, Italy, Mr. Protto was educated in Italy and England.

Charles E. Wuensch

Charles E. Wuensch, a founder of the New Jersey College of Pharmacy, now part of Rutgers University, died in Syracuse, N. Y., January 23. He was seventy-six years of age.

Mr. Wuensch graduated from the Columbia University College of Pharmacy in 1886. In 1892, he and three others founded the New Jersey College of Pharmacy, in Newark, and he was its vice-president from 1896 until 1899. The college was taken over by Rutgers University in 1927. An honorary degree of Master of Science was awarded to Mr. Wuensch in 1932 by Rutgers University at the commencement exercises of the College of Pharmacy.

W. Coleman Gould, Louisville representative for the Lincoln Oil and Paint Company, Cleveland, died recently. He was sixty-two years of age.

Donals MacAskill, retired vice-president and general manager of the International Nickel Company, and his wife, died in Toronto, January 25.

OPD—2-1-1943

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DEXTROSE
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IODOXYQUINOLIN SULPHONIC ACID
NEO CINCHOPHEN
OXYQUINOLIN BENZOATE
OXYQUINOLIN SULPHATE
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PHENOBARBITAL
PHENOBARBITAL CALCIUM
PHENOBARBITAL SODIUM
SODIUM DIPHENYL HYDANTOINATE
TETRA-IODO-PHENOLPHTHALEIN SODIUM
THEOPHYLLINE
BROMSTYROL
CINNAMIC ACID
DIACETYL
METHYL CINNAMATE
METHYL PHENYL ACETATE
PHENYL ACETIC ACID
BENZALDEHYDE
BENZYL ALCOHOL
BENZYL CHLORIDE
BENZYL CYANIDE
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OPD—2-1-1943

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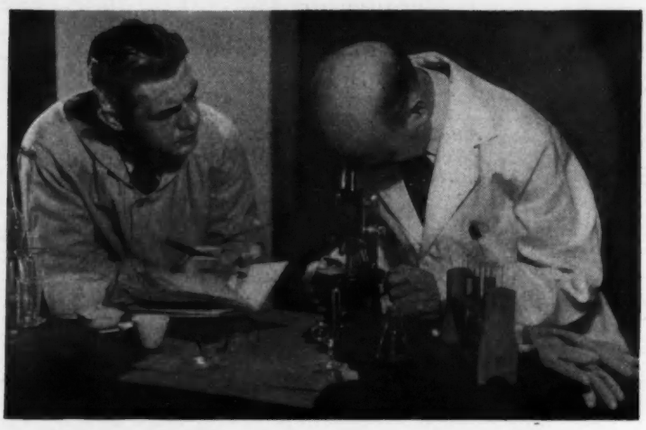

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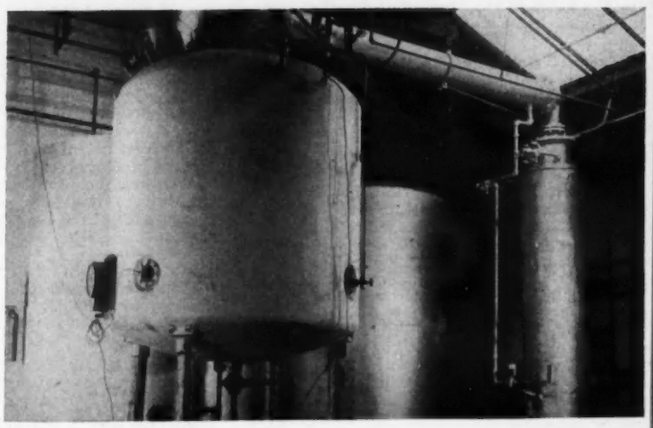

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Buy War Bonds and Stamps — for Victory

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Botanical Drugs, Spices and Gums

Sharp Reductions in Belladonna and Henbane Leaves—Also Colocynth and Valerian Root—Golden Seal Advance Extended —Rotenone Roots Under Complete Allocation

So far as prices on important botanical drugs—i. e., those of major importance—were concerned, the trend continued downward last week. Prominent in the lower listings of prices were belladonna leaves, henbane leaves, and both Belgian and Eastern valerian root. Colocynth pulp gave way in buyers' favor, and Peru balsam was cheaper.

Against this downward trend was a very sharp rise in the quotations on strictly N. F. goldenseal root as well as substantial rises in the prices named on numerous condimental and feed seeds.

Demand continued to be built from a rather sluggish consumer interest in the medicinal crude drug group. With the larger consumers having returned to the policy of utilizing warehoused stocks for manufacturing operations, transactions usually involved limited quantities of most items.

The most important development within the Federal Government control agencies was that of the War Production Board, whereby all stocks of barbasco, cube, derris, timbo, and tuba roots were placed under complete allocation. Since WPB is convinced that shortage is inevitable, it has acted to conserve stocks in the interest of programs directly connected with war-born requirements. Details elsewhere. Pyrethrum, another insecticide, was already under complete allocation. Hence, practically all selling in the future will be done at government direction.

Much interest continued to be shown in the position of botanicals originating in North Africa, but availability of steamer space and settlement of exchange rates remain to be established.

Balsams

Peru.—Shaded to $1.25 to $1.30 per pound as some report more favorable replacement cost. Demand moderate.

Tolu.—Not much activity but holding definitely steady.

Barks

Angostura.—In good reserve on spot. Not more than jobbing activity.

Black Haw.—Firm on spot, based on prevailing costs in primary market.

Cocillana.—Very good activity along seasonal lines creates firm prices.

Elm.—Demand seasonal and making fair total sales. Prices firm.

Sassafras.—Movement fair but reported less than normal for the season.

Wahoo. — Demand shows some shrinkage without weakening price structure.

Beans

Calabar.—Firm but lacking more than routine importance at moment.

Vanilla.—Much interest centers on future arrivals of Bourbon beans seized by British blockade ships and available as prize of war. Negotiations make progress. Not much interest at moment in possible offerings from Madagascar direct. Prices prevailing on available replacement supplies in foreign ports by no means low. Current demand moderate as consumers await further developments.

Berries

Prickly Ash.—Collection was not exceptional. Accounts for firm prices.

Raspberries.—Already some inquiry concerning probable price on new crop.

Flowers

Arnica.—Inquiries develop firm orders and confirm current prices.

Pyrethrum.—Closest possible control kept over available supplies. Must be stretched that all essential requirements of armed forces be met. Situation would improve if shipping space available in British East Africa should increase. Government-ordered sales governed by special price schedule. Situation one of substantial strength.

Rose.—Situation in North Africa eventually may result in resumption of substantial shipments of normal quality merchandise to this country.

Saffron.—Spanish gave evidence of weakness at $31.50 per pound minimum. Few buyers during period reviewed. Fairly substantial holdings. Little interest in Mexican flowers now.

Price Changes

Advanced

Anise, Cyprus, 3½c. per lb.
Canary seed, Dutch, 5c. per lb.
Celery seed, Indian, 3¼c. per lb.
Cumin seed, Morocco, ¾c. per lb.
Cassia, Batavia, No. 1 thin quill, 2c. per lb.
China, buda, 7c. per lb.
China, rolls, select, 2c. per lb.
broken, 4c. per lb.
Cinnamon, Ceylon, No. 2, 3½c. per lb.
Golden seal root, whole, 20c. per lb.
powdered, 30c. per lb.
Hempseed, Manchurian, ½c. per lb.
Millet seed, ¼c. per lb.
Rapeseed, dwarf Essex, ½c. per lb.

Reduced

Anise, Spanish, ½c. per lb.
Syrian, 1½c. per lb.
Belladonna leaves, 12c. per lb.
Colocynth pulp, 25c. per lb.
Ginger, Cochin, bleached, 1½c. per lb.
unbleached, 1c. per lb.
Jamaica, No. 2, 1c. per lb.
No. 3, ½c. per lb.
Henbane leaves, 10c. per lb.
Marjoram, Chilean, afloat, 1c. per lb.
Mustard seed, Calif. brown, ½c. per lb.
Montana yellow, ½c. per lb.
Paprika, Portuguese, extra fancy, ½c. per lb.
good, 1c. per lb.
Pepper, red, chillies, Carolinas, long, ½c. per lb.
Peru balsam, 15c. per lb.
Valerian root, Belgian, 30c. per lb.
Eastern, 13c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
258.6	259.7	259.9	327.0

Market news that may have developed after this report was sent to press will be found on page 4.

Gums

Arabic. — Recent activity turned many sellers definitely into stronger market position. Some name prices calculated to stop activity until situation shall clarify. High as 16c. asked for sorts. Minimum seemed to be 14¾c. Believed recent activity was move to take low-priced gum held by "new" dealers off the market. Stocks remain comparatively large.

Euphorbium.—Not certain that more than jobbing quantity remains available.

Karaya.—Granting of import permits eases some of the recent uncertainty concerning future supplies.

Locust Bean. — Holding firm and reasonably active, with stocks fair.

Mastic.—Practically nothing available. Consumers occasionally offer.

Sandarac. — Ceiled at 97½c. per pound.

Herbs and Leaves

Belladonna.—Prices reduced again. Market down to $1.48 to $1.50 per pound. The trend of prices has been downward continuously since the crop was gathered.

Catnep. — Southern material held firm. Based mainly on replacement.

Henbane.—Lowered to basis of $1.75 to $1.80 per pound. The collection was fair in the West last Summer, and costs then make possible declines now.

Henna. — Considerable competition

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 9

CHECK YOUR NEEDS
OF HOPKINS' ANALYZED HIGH-STANDARD
CRUDE DRUGS

If it is humanly possible to get it, Hopkins has it! The list of botanical drugs offered below is only a small part of those being supplied daily by us. But we can and *do* cooperate with our customers even beyond the limits of reasonable expectations. For your requirements, remember, the House of Hopkins has been the last word, for over 52 years, in every foreign and domestic botanical crude drug for which there is commercial demand.

- √ ALOES USP
- √ ALTHEA ROOT
- √ ANISEED
- √ BALSAM COPAIBA
- √ BALSAM PERU
- √ BALSAM TOLU
- √ BELLADONNA
- √ BENZOIN GUM
- √ BOLDO LEAVES
- √ BUCHU
- √ CELERY SEED
- √ CHAMOMILES
- √ CINCHONA BARK
- √ COCILLANA
- √ CORIANDER
- √ CORN SILK
- √ DANDELION
- √ ERGOT
- √ FENNEL SEED
- √ FOENUGREEK
- √ GENTIAN ROOT
- √ GINGER
- √ GUM ARABIC (all kinds)
- √ HELLEBORE RT. White
- √ HENBANE
- √ HOREHOUND
- √ IPECAC
- √ IRISH MOSS
- √ JUNIPER BERRIES
- √ KOLA NUTS
- √ LAUREL LEAVES
- √ LAVENDER FLOWERS
- √ MARJORAM
- √ OLIBANUM GUM
- √ ORANGE PEEL
- √ PAPAIN
- √ PEPPERMINT
- √ PSYLLIUM SEED
- √ QUINCE SEED
- √ RHUBARB ROOT
- √ ROSEMARY
- √ SAGE
- √ SARSAPARILLA
- √ SENNA LEAVES & PODS
- √ SQUILL ROOT
- √ STRAMONIUM
- √ STROPHANTHUS SEED
- √ THYME LEAVES
- √ UVA URSI
- √ VALERIAN
- √ WHITE SQUILLS

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And the most direct way is via Prentiss. Here you will find the kind of botanicals you have been looking for, and in sufficient quantities to fill any order, large or small—Quality botanicals in any Quantity.

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INDUSTRIAL CHEMICALS
CREAM TARTAR · MENTHOL
GUM ARABIC

locally and no special consumer activity.

Marjoram.—Firm, spot and primary markets. Not much demand at moment. Chilean in transit slightly lower at 39c. to 40c. per pound.

Sage.—Consumers awaiting first firm offerings of California leucophylin.

Senna.—At least very steady. Believed that Federal authorities will permit import of sufficient to cover actual requirements.

Miscellaneous

Colocynth Pulp.—Reduced to 90c. to 95c. per pound. A firm order for an attractive quantity might be placed for less.

Ergot.—Steady in price but lacking major activity at moment.

Nux Vomica.—Very firm. Drug dealers meet fair call for powder.

Papain.—Ceilings in some directions permit maintenance of steady prices. A few dealers have very low ceilings and have difficulty on basis of current replacement values.

Roots

Belladonna.—Easy and certain to run into competition on attractive demand.

Cube.—Placed under complete allocation. Details elsewhere.

Derris.—WPB orders complete allocation, this material. Details elsewhere.

Golden Seal.—Advanced to minimum of $5 per pound for strictly N. F. quality. Some subquality root believed available for less. Powder, $5.35 to $5.40.

Rhubarb.—Holding firm at moment. Some report difficulty in getting permit to import from India.

Valerian.—Prices reduced. Limited quantity of Belgian root held at $1.15 to $1.20 per pound. Eastern root down to 82c. to 85c. Current buying slow and conservative in size.

Seeds

Anise.—Cyprus seed sharply higher at 37½c. to 38c. per pound. Spanish shaded to 38c. to 38½c. Syrian down to 26c. to 26½c. Star unchanged at

—Continued on page 64

Oilseeds Production Spurred by Bonus

—Continued from page 3

The peanut acreage is being increased from last year's area of 3,690,000 acres to a 1943 goal of 5,500,000 acres, and a payment of $30 an acre will be made on production over 90 percent of the goal up to 110 percent of the goal.

The goal for flaxseed is increased from 5,000,000 acres to 5,500,000 acres, with payment of $10 for each acre over 90 percent of the farm goal and up to 110 percent.

Secretary Wickard said that the increase in these crops is needed to meet more adequately increasing needs for oil and proteins, the latter not only to provide for a larger supply of protein supplements for animal feeding, but for sharply increased utilization for human consumption.

He added that the department is also developing a comparable program involving incentive payments for further increasing milk production.

72d—OPD—Year

Ozark Canners Ass'n Indicted for Fixing Prices

A Federal grand jury in Fort Smith, Ark., has indicted the Ozark Canners Association, ten canneries and 175 individuals on charge of fixing prices on canned tomatoes in the Ozark area, which area was defined as the States of Arkansas, Missouri, Oklahoma and Kansas. The department said:

The indictment charged that the defendants violated the Sherman antitrust act by fixing arbitrary and noncompetitive prices on canned tomatoes processed and sold by them in interstate commerce.

72d—OPD—Year

L.G. Reichhard Named To National Lead Board

Leonard G. Reichhard, production manager for National Lead Company, this city, has been elected a director of the company and appointed a member of its executive committee. He succeeds the late H. G. Sidford.

CRUDE DRUGS

PEEK AND VELSOR INCORPORATED
100 GOLD ST. NEW YORK

ESTABLISHED 1840

WAREHOUSE AND MILLS, JERSEY CITY, N. J.

CRUDE BOTANICAL DRUGS
TRADE *From Forty Nations* MARK

NF VII
CINCHONA BARK

HISTORY

The first authenticated use of Peruvian Bark in intermittent fever was in 1630 when the Spanish magistrate Don Lopez de Canizares at Loxa, Peru, was cured. It was named cinchona after the Countess of Cinchon whom the Don cured in 1638. Cultivation in 1854 led Java to world control.

USE TODAY

Yields Quinine and Is a Bitter and Tonic In Modern Medicine

BOTANICAL NAME	TEST	COMMON NAME
C. succ. or ledg.		Park, or Red Bark

Yields not less than 5% alkaloids.
Has not more than 2% acid-insoluble ash.
Has not more than 2% foreign organic matter.

Essential Oils, Aromatic Chemicals

Curtailed Production Prevails in Industries Consuming Citrous Oils —Floral Oils Remain Strong and Without Sign of Betterment—Peppermint Sales Gain in West

Activity in essential oils remained along routine lines usually productive of jobbing transactions that went through under conditions suggesting the absence of excessive competition among the dealers. Aromatic chemicals were steadfast in price for the most part, although some shading in the open market developed at times. Numerous articles were in definitely short supply and hard to come by at any price.

Considerable activity was reported in peppermint. The business went to the primary market in the Middlewest and some had it that potential production of menthol from American oil was not without influence on the activity. However, those concerned with the sale of oil said that menthol would have to sell considerably above $14 if made from American peppermint and sold without loss to the sellers. Such quarters believed that price ceiling relief might be sought for such menthol through approach to the Office of Price Administration.

Citrous oils were fairly quiet. Some curtailment of production activity in quarters usually taking fair quantities of both lemon and orange has reduced current movement in such materials. Lime oil distilled in Mexico resumed its easier course and prices were reduced considerably. The Jamaica oil remained firm and in low supply.

Floral oils were hard to get in most instances and many prices on such materials were either definitely nominal or on the boundary line. Until replacement activity opens up as captured areas once more fall under United Nations' control, improvement of the local situation will be most difficult.

Price Changes

Advanced

None

Reduced

Benzyl cinnamate, 35c. per lb.
Citral, extra quality, 20c. per lb.
Lime, Mexican, distilled, 25c. per lb.
Phenylacetaldehyde, 10c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
246.4	246.4	254.4	280.0

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Market slightly slower but prices hold steady to firm.

Anise.—Limited stocks keep firm prices. Activity not very great.

Bay.—Firm to strong market in all respects. Stocks conservative.

Bois de Rose.—Slightly more buying but none in matter of current prices.

Calamus.—If there is any spot stock, it is well hidden. Leaders have none.

Camphor.—A considerable business in domestic technical oil is growing.

Cananga.—A quiet market kept competition out of sight. Open prices steady.

Caraway.—Enough was available to cover limited demand current last week.

Cassia.—It's quoted at $10.25 per pound in a single quarters. Most dealers do not offer or quote. Stocks at vanishing point.

Cedarleaf.—Steadier at recent price concessions. Prices in line with replacement.

Cedarwood.—Quiet to dull but unchanged and fairly steady in price.

Celery.—Limited stocks hold firm to strong. Not much demand.

Citronella.—Tendency toward further price strengthening noted. Fair call.

Clove.—Producers maintain steady market. Raw material fails of further change. Counted as firm.

Coriander.—Numerous dealers report on stocks. Few have much. Firm.

Croton.—Demand far under supply, which was reported moderate.

Cubeb.—Reasonably easy in dull market. Backed by fair stocks.

Dill.—No lower but moderately easy awaiting forward buying on contracts.

Eucalyptus.—No surplus. Little competition. Demand very good. Replacement uncertain and irregular.

Fennel.—Little available. Quoted at $3.25 per pound and sold at $4.50.

Geranium.—Replacement direct from primary markets yet to develop.

Ginger.—Strength of oil reflects strength of raw material. Demand moderate.

Juniper.—Business almost at standstill as normal consumption dries up.

Juniper Tar.—Reasonably active along jobbing lines. Full price maintenance.

Lavandin.—When available, commands $5.75 to $7 per pound. Sold at both prices.

Lavender.—Scarce as to flower oil. Fair stocks of spike. Prices very firm.

Lemon.—Doing well, considering conditions surrounding production of many articles involving lemon oil. Prices hold stable.

Lemongrass.—Under competition, sold low as $1.25 per pound. Range to $1.90 as to variety and quality.

Lime.—Mexican distilled done at $7 per pound. Range to $7.70. Jamaica oil remains firm to strong and in low supply.

Mustard.—Artificial available in quantities sufficient for most needs.

Nutmeg.—Very firm with production curbed by ceilings and cost of raw material.

Orange.—Plentiful stocks and substantial competition for moderate number of orders reaching spot at moment.

Peppermint.—Local operators doing business with primary market report considerable activity. Production of menthol from American oil would require higher menthol ceiling to do business without loss, it was said.

Pettigrain.—Considerable spot activity along jobbing lines strengthens local market and clips competition somewhat.

Rosemary.—Steady undertones, and trading about level with recent volume.

Rue.—Quoted but very difficult to get on firm, guaranteed delivery basis. Most dealers devoid of supplies.

Sandalwood.—Sellers doing good job in maintaining reserves to cover needs of pharmaceutical manufacturers.

Sassafras.—Larber number of small orders for natural reported. Firm.

Savin.—Quoted at $16 per pound and reported sold at $25. And most dealers report no stocks.

Spearmint.—Quiet and restricted to sales along jobbing lines. Prices firm.

Spruce.—Moving fairly well as substitute for other oils virtually unobtainable.

Sweet Birch.—Price to be paid depends solely on quality of oil acceptable and quarter making the offering. Sales at both ends of range.

Tansy.—Slow demand but very steady prices with fair reserves noted.

Thyme.—Steady to firm with all requirements met promptly.

Vetiver.—Some question quality of some oil offered. Top grades firm in keeping with the impossibility of replacing in Java.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 9

Replaces Oil Anise in Technical Products

ANNOL MM&R

The growing list of well-known users of this splendid, scientifically manufactured replacement is a tribute to its efficacy.

Annol MM&R *costs but a small fraction of the natural oil* and yet has the characteristics of Anise Oil and can be used successfully in technical products wherever the odor of Anise is desired.

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CONSERVE NATURAL OILS and CUT MATERIAL COSTS with these APPROVED SUBSTITUTES

Manufacturers whose business expansion is being hampered by quota restrictions on essential oils will find a happy solution to their problem in the use of our *economical* and *highly approved* imitations of the natural oils. These precise duplications may be used either as extenders or in complete replacement of the genuine oils. For samples, tell us what oils you are now using and the products in which they are being employed. Please address us on your letterhead.

Our Imitation Spice Oils include:

CASSIA, NUTMEG, MACE, ROSEMARY, ESTRAGON, PEPPER, THYME, (Red or White), CINNAMON, PIMENTA BERRY, SAGE, CARDAMON, CORIANDER, and others.

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Introduced to the market about a year ago, Key Brand Oil of Orange now occupies a pre-eminent position among the country's largest users of Orange Oil. For uniform, finest quality orange flavor, use Key Brand Oil of Orange. It's economical, too!

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NEW CROP OIL IS NOW READY FOR DELIVERY!
Write us for sample and let us quote on your 1943 requirements.

MANUFACTURERS OF ESSENTIAL OILS, AROMATIC CHEMICALS AND FLAVORS

Wintergreen.—Call mainly on hand-to-mouth basis but prices hold firm.

Wormseed.—Steady. Little competition. Sellers expect gain in sales with advent of Spring. Expect more buying by government. Probably for export.

Wormwood.—Believed that present unsold stocks protect all likely demand between now and marketing of new crop.

Ylang Ylang.—In light supply but not subject to much spot demand. No replacement operations can succeed at present.

Aromatic Chemicals

Acetaldehyde.—Quiet but exceptionally firm as to perfumers' grade.

Amyl Salicylate.—Available at 85c. per pound with range to $1.25 as to seller and quantity.

Anethol.—Firm and fairly active to cover nearby needs.

Anisic Aldehyde.—Sellers reserved, mainly because of curbed supply.

Benzaldehyde.—Strong because of scarcity and limited production.

VIKING
Petroleum Solvents
PENTANE
HEXANE HEPTANE
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LIGROIN BENZINE
LOW COST - HIGH QUALITY
Special Solvents for Specific Purposes
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Established 1922

Benzyl Cinnamate.—Leading producers report inability to offer anything at moment. Limited stocks in dealers' hands around $5.15 per pound. Not much call leads to some price shading among resellers.

Citral.—Hard to quote because of exceptional range in quality. Fair range at $2.85 to $4.75 per pound.

Coumarin.—Quiet as trade prepares for coming dollars and cents price ceiling. Stocks reported moderate in reserve.

Ethyl Acetate.—Perfumer's grade selling well along jobbing lines.

Ethyl Benzoate.—Firm, reflecting production costs. Quiet as to demand.

Ethyl Cinnamate.—Most dealers call market firm and report low stocks.

Ethyl Vanillin.—Steady as producers await final disposition of proposed price ceilings now in hands of OPA.

Eucalyptol.—Still available at recent minimum prices but still held at higher levels in other quarters.

Eugenol.—Reflects the position of clove oil and absence of normal shipments of raw material to this market.

Hydroxycitronellal.—One producer quoted $4.50 per pound at the works. Others say market is lowest at $6.25 and report sales thereat. Dealers say $6.25 is market.

Indol.—Is lower at $26.50 per pound minimum. One prominent producer makers $27 inside.

Methyl Anthranilate.—More inquiry finds stocks conservative. Also sellers.

Methylhexyl Ketone.—Routine activity but well maintained spot prices.

Musk.—Available supply of ambrette remains low. Leading producers indicate far from normal supplies. Minimum quoted price $4 per pound but $9 has been done repeatedly. Ketone and xylol more readily obtained.

Phenylethyl Alcohol.—Very steady but with demand rather irregular.

Rhodinol.—Genuine, top grade merchandise commanding around $50, with extra quality moving at $52 per pound.

Terpineol.—In fair but not large supply with demand light and irregular.

Yara Yara.—Steady. Those with ceilings at $3.20 come down to $2 per pound.

72d—OPD—Year

BIMS Hold Annual Dinner

BIMS of New York held its annual dinner at the Hotel Lafayette, this city, January 21, with an attendance of 140 members and guests. In addition to five Victory Bonds given away by BIMS as door prizes, twenty-six bonds were distributed as prizes in a series of sweepstakes drawings. Martin Schultes, of the Hewitt Soap, acted as combination chairman.

72d—OPD—Year

P.E. Haebler Joins Goldschmidt

Philip E. Haebler is joining the Goldschmidt Chemical Corporation of New York as vice-president. He has resigned from van Amerigen-Haebler, Inc. Mr. Haebler is a member of the Toilet Goods Association Convention Committee.

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VAN AMERINGEN ★ HAEBLER, INC.
315 FOURTH AVE. • NEW YORK CITY

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SUPREME AROMATICS
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MONTREAL TORONTO WINNIPEG VANCOUVER MEXICO CITY

Petroleum Derivatives

Refiners of Hydrocarbons Cheered by Prospect for Markup of Their Products, Forecasted by Advance in Some Fuel Oils and Impending Rise in Crude Petroleum

Despite a further waning of the movement of petroleum chemicals, due to a further tightening of restrictions on the use of tankcars for any purposes except the rushing of gasoline, fuel and lubricating oils to our fighting fronts, refiners of aromatic and other solvents, diluents, liquefied gases and other petroleum specialties have been greatly encouraged in their efforts to amplify their production of these petroleum derivatives by strong and growing intimations that the impending authorized advance in ceiling prices of crude petroleum in the Southwest and Pacific Coast fields, of which the recent markup of fuel oil prices in the Mid-Continent areas has constituted a forerunner, will also find reflection in a commensurate upward revision of prices for their highly refined products.

Meanwhile, however, with the demand for these fractionated petroleum derivatives far outstripping the supply, the shortage of these materials is becoming more keenly felt by consumers and cannot be relieved to any noteworthy extent until the refineries, which have recently been devoting large portions of their plant capacities to the production of high-octane gasoline for our air forces, have satisfied the greater part of the military establishment's requirements in the lighter hydrocarbons and are once more able to run a greater percentage, if not all, their fractionating plants to their full capacity.

Solvents and Diluents

Aromatic Solvents.—Demand for allocated descriptions with average distillation points under 330 degrees and for substitutes with distillation points slightly above that thermal registration continues very active, absorbing virtually all offerings. Business also brisk in alophatics.

Cleaners' Naphtha.—Buying movement reaching larger proportions daily. Stocks being steadily reduced.

Lacquer Diluent. — Demand still broadening. Supplies tightening.

Mineral Spirit.—Purchasing interest increasing. Stocks being lowered materially.

Rubber Solvent. — Moving more rapidly into consuming channels with rubber reclaimers the principal buyers. Supplies still adequate but being steadily diminished.

Stoddard Solvent. — Continues in good call. Market strong.

V. M. & P. Naphtha.—War production contracts with transportation facilities of their own getting bulk of offerings but paint trade also buying extensively.

Markets at Other Centers

Chicago—January 29

Aromatic Solvents.—Good call, market strong.

Cleaners' Naphtha. — Interest active, prices steady.

Lacquer Diluent.—Interest sustained, market firm.

Mineral Spirit.—Demand expanding, prices hold.

Rubber Solvent.—Expanding call, market firm.

Stoddard Solvent.—New buying, quotations steady.

V.M. & P. Naphtha.—Inquiry better, prices steady.

San Francisco—January 29

Aromatic Naphthas. — Very active. Government is giving very prompt action on allocation requests.

Lacquer Diluent.—Producers are keeping up with the demand in fairly good shape.

Rubber Solvent.—Fairly active.

Stoddard Solvent.—Demand is undiminished.

V.M. & P. Naphthas.—Paint trade placing good orders.

Cleaners' Naphtha.—Routine.

Tulsa—January 29

V.M. & P. Naphthas.—Supply situation becoming still tighter. Demand extensive and, for the most part, unsatisfied, due chiefly to lack of adequate transportation facilities. Market tone very strong.

Lighter Fractions

Butane.—Demand outrunning supply. Stocks kept at low ebb.

Heptane.—Continues in brisk request. Stocks light.

Hexanes.—In active call. Supplies small.

Octanes.—Keeps moving steadily. Tone strong.

Pentanes.—In good inquiry. Supplies only fair-sized.

Propane.—Stocks constantly drained by takings of war production contractors and normal users.

Price Changes

Advanced

Industrial fuel oils, in parts of Kansas, Arkansas, Louisiana, Oklahoma, New Mexico and Texas, 10c. to 15c. per barrel.

Reduced

Lubricating oil, neutral, 150 and 200 viscosity, 0-25 pour, tanks, western Pennsylvania refineries, 1c. per gal.

Market news that may have developed after this report was sent to press will be found on page 4.

Markets at Other Centers

Chicago—January 29

Butane.—Demand excellent, and prices firm.

Heptane.—Active call, with quotations steady.

Hexanes.—Movement steady, no price change.

Octanes.—Brisk interest, steady market.

Pentanes.—Movement good, market holding.

Propane.—Mounting call, and no price change.

San Francisco—January 29

Butane.—Difficulty in procuring sufficient transportation accommodations, rather than the lessened production, is holding down the volume of business in this light hydrocarbon, for which the demand is constantly increasing.

Propane.—Continues in brisk call, with supply only large enough to *meet* current requirements.

Tulsa—January 29

Butane.—In constantly increasing demand. Supply inadequate for all requirements.

Propane.—Buying interest expanding. Suppliers unable to fill all proffered orders.

Petrolatums and Waxes

Paraffin. — Active buying interest manifested in all grades of crude, semi-refined and fully-refined wax. Supplies light, being reduced close to vanishing point in some of the fully-refined grades. Prices firmly held.

Petrolatums.—Good demand for industrial and veterinarian as well as for U.S.P. grades. Tone strong.

Amorphous Waxes. — Purchasing movement constantly expanding, and prices well maintained.

White Mineral Oils.—Moderately active request for virtually all grades. Tone steady.

Markets at Other Centers

Chicago—January 29

Paraffin.—Demand expanding. Offerings not overly large.

Petrolatums.—Consumers placing sizable orders for this material. Tone firm.

White Mineral Oils.—In brisk call. No change pricewise.

Los Angeles—January 29

Market for paraffin very active on the Pacific Coast. Tone strong with prices unchanged.

Fuels and Lubricants

Crude Petroleum. — Increases in price ceilings for crude oil, ranging from 25 cents to 50 cents per barrel, are expected to be announced within the next few days by OPA which has recently been persuaded that such markups are well warranted by a rise in the cost of producing this basic oil amounting to fully 10 percent between the third quarter of 1941 and the second quarter of 1942, which has been revealed in an exhaustive survey of the situation just completed by the U. S. Tariff Commission. OPA has already indicated that it will soon approve a markup of prices for heavy crude oil in California which, it is generally believed, will amount to 50 cents per barrel and which may be the first of these advances to be announced. Shortly thereafter, it is expected that an upward revision of prices for crude oil in the Mid-Continent and Gulf Coast fields of approximately 25 cents per barrel will also be granted.

OPA has already marked up ceiling prices for crude oil at receiving tanks in several Texas, Louisiana, Kentucky and Arkansas pools, without affecting prices to ultimate consumers. It has also clarified its formula for establishing crude oil ceilings at the maximum price levels prevailing in October, 1941, by requiring that these ceiling levels shall reflect actual market conditions within a given oil pool or at such other points where the oil was sold in that period.

Fuel Oil.—Upward revisions of the price ceilings for industrial fuel oils refined in parts of Kansas, Arkansas, Louisiana, Oklahoma, New Mexico and Texas have been announced within the past week by OPA, which has taken this action chiefly to meet the increasing wartime demands of railroads and industries by encouraging amplification of their supplies and eliminating uneconomic transportation. The authorized advances amount to 5 to 8 percent, or from 10 cents to 15 cents per barrel, in most of the areas. Consumption of fuel oil during last December is reported to have totaled 1,284,226 barrels, compared with 1,112,271 barrels during the preceding month—an increase of 15.5 percent.

Gasoline.—OPA has announced that bulk users of gasoline, who have been unable to obtain supplies of the new type bulk coupons from their war price and rationing boards may buy gasoline for the next few days on a coupon credit basis. This action follows the issuance of an order invalidating all old bulk coupons as a means of tightening rationing controls and of preventing "black markets."

Announcement has just been made by the Secretary of Commerce of the completion of an 82-mile-long eight-inch pipeline designed to carry gasoline, extending from a point near Fostoria, O., to a point near Akron, O. This project, costing approximately $1,400,000, has been sponsored by the PAW and financed by the Defense Plant Corporation, a subsidiary of RFC, which now owns it.

Lubricating Oil.—In the face of an increasing demand for all lubricating oils, a few sharply competing refineries in the Western Pennsylvania area have shaded their prices for 150 and 200 viscosity 0.25 pour test grades of neutral oil to the extent of a cent per gallon, making their revised quotations 20c. and 22c., respectively. Other refiners in that territory, however, continue to ask 21c. to 22c. and 23c. to 24c., respectively.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 9

Texas to Illinois Oil Pipeline to Be Built

OPD Washington Bureau

Petroleum Administrator for War Harold L. Ickes has announced that work is scheduled to start in March on the construction of a second big oil pipeline to boost movement to the East coast, an 836-mile, 20-inch conduit designed to deliver 235,000 barrels of petroleum products daily from Texas to tankcar loading points in Illinois and Indiana. If work starts and proceeds on schedule, and if there are no interruptions to the flow of construction materials, the line can be completed on or about September 1. The project will be built for the government by War Emergency Pipelines, Inc. The estimated cost is $44,000,000. War Emergency Pipelines, Inc., is the company organized by the petroleum industry to construct the 24-inch pipeline now being built from Longview, Texas, to the New York-Philadelphia refining area.

72d—OPD—Year

Rubber Substitutes Discussed by D. of A.

—Continued from page 7

somewhat more butadiene can be produced per bushel of grain through butylene glycol than when alcohol is the intermediate product. The butylene glycol itself is useful as a solvent or as anti-freeze for automobile radiators.

Another approach to the problem resulted in a promising rubber-like substance called "Norepol," useful for some purposes for which rubber is used. Norepol is made from soybean oil, corn oil or some other vegetable oils and may be compounded and treated so that it can be worked with conventional rubber processing equipment. Certain turpentine derivatives have also shown promise in the making of rubber intermediates.

72d—OPD—Year

Mich. U. Has Petroleum Geologist Course for Women

A concentrated twelve-month course in petroleum geology to fit women for field work in the discovery program of American oil companies will begin at the University of Michigan when the Spring term opens on February 4.

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NIAGARA CHLORINE PRODUCTS CO.
LOCKPORT, NEW YORK

Fertilizer Nitrogen Supplies for 1942-1943

With normal use of natural organics, an expected supply of 406,000 tons of nitrogen for 1942-1943 appears to fall short of estimated requirements by at least 54,000 tons, unless, as now seems likely, the importation of Chilean nitrate of soda runs far larger than originally estimated and the recently resumed production of synthetic ammonia liquors is amplified greatly.

Here are the principal sources of supply, estimated for the current fertilizer year, by Dr. F. W. Parker, of the Bureau of Plant Industry, U. S. Department of Agriculture, as set forth in the latest issue of the official publication of the National Fertilizer Association:—

	Short tons		
	1942-1943	1941	1939
Sulphate of ammonia	160,000	138,248	118,650
Nitrate of soda	172,000	146,300	120,731
All ammonia liquors	5,000	65,200	47,500
Cyanamid	9,000	25,700	20,811
Urea fertilizer compounds	5,000	20,000	7,526
Ammonia phosphates	5,000	6,200	6,079
All other fertilizer chemicals	2,000	3,850	20,410
Natural organics	50,000	51,410	48,295
Total	408,000	456,908	390,002

Domestic SULPHATE of AMMONIA AND AMMONIA LIQUOR

MADE IN THE U.S.A.

Barrett NITROGEN

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET • NEW YORK, N. Y.

STOCKPILING SULPHUR

The Division of Industry Operations of the War Production Board has urged sulphur consumers to build up reserve supplies at their plants so that possible transportation tie-ups in the future will not halt their operations.

The Director of Industry Operations has issued General Inventory Order M-132 to make such stockpiling possible. The Order relaxes Priorities Regulation No. 1 to permit deliveries of sulphur in excess of a practical minimum working inventory. Under M-132, no restrictions are placed upon deliveries or acceptances of sulphur from a primary producer.

At our mines at Port Sulphur, La., and Freeport, Tex., we have ample production and stocks to meet today's sulphur needs. Experience gained during more than a quarter century of operation assures our customers the utmost in speedy, dependable service.

FREEPORT SULPHUR COMPANY
122 East 42nd Street New York City

Fertilizer Materials

More Potash Expected From Russia On Lend-Lease Agreement—Fertilizer Industry Still at Sea Regarding Repricing of Superphosphate and Allocations of Nitrogen Chemicals

Awaiting an official repricing of superphosphate to the fertilizer trade by the Office of Price Administration and clarification of the Department of Agriculture's food production order, superseding and circumscribing the War Production Board's erstwhile regulations on fertilizer compounds by a withholding of the use of chemical nitrogen materials from all but war-essential crops, the fertilizer market is in a state of flux, unable to crystallize and assume tangible form at the outset of the 1943 fertilizer season.

With the agricultural South already clamoring for the fertilizer elements required for its plantings of cotton and tobacco, there is still considerable uncertainty as to which kinds of vegetable products are entitled to procure inorganic nitrogen materials and in what quantities they may receive them; also as to what prices the producers of superphosphate may charge mixers and other fertilizer manufacturers for these plant foods.

Meanwhile, WPB has shown a disposition to make more liberal allocations of nitrate of soda, sulphate of ammonia, cyanamid and liquid ammonia to the fertilizer interests.

Tightness in the potash situation is likely to be further relieved by additional allocations of foreign muriate of potash by the Defense Supplies Corporation, which has contracted for and is expecting to receive shipments of this material from Russia, in accordance with the terms of that country's lend-lease agreement with the United States.

Price Changes

Advanced

Soybean meal, 41 and 44 percent protein, old and new processes, bulk, Decatur, Ill., April delivery, 25c. per ton.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.0

Market news that may have developed after this report was sent to press will be found on page 4.

Nitrogenates

Castor Pomace.—Pressers in New York area have amplified their output of pomace with recent fairly large arrivals of beans but the demand still outruns the supply, with unabated tightness continuing to characterize the market. Latest arrivals have consisted of 28,378 bags, weighing 4,256,700 pounds.

Cyanamid. — Producers continue making freer offerings to fertilizer interests, subject to WPB allocations.

Dried Blood.—Livestock and poultry feed makers taking virtually all material not withheld by packers for their own uses.

Hoofmeal.—Continues in keen request and light supply. Market tone very strong.

Nitrate of Soda.—Domestic producers of synthetic soda nitrate have announced continuation of their January price schedule for February in bulk and bags, but state that they are offering this material in 100-pound and 200-pound bags, with the proviso that it will be shipped in such containers only if a sufficient supply of bags is available at time of shipment. In this connection, it is noteworthy that WPB's amended Order M-221 on shipping bags, which has just been made effective for an indefinite period, applies to paper bags as well as textile bags and limits stocks of all such bags to a 60-days' supply. Chilean nitrates are being allocated in sizable lots to fertilizer interests at unchanged prices.

Soybean Meal.—Although still virtually unobtainable for two months, because of continued delay in getting beans from farms to Decatur, Ill., the tightness of the situation is expected to be relieved shortly thereafter. Some offers are already being made for April shipment at $33 per ton, showing the CCC's authorized advance of 25 cents per ton over the more or less nominal March delivery quotation. But these offers are made to feed interests only. There is none yet available for fertilizer interests.

Sulphate of Ammonia.—Fairly liberal allocations being made to the fertilizer trade. Estimates on operations of by-product cokeovens for week ended January 23 indicate production of 38,352,920 pounds from that source.

Potashes

With domestic producers having sold their output up to March, greater dependence is being placed by consumers, who have been caught short with uncovered requirements, upon offerings by dealers and such foreign potash as may come in from Russia on lend-lease agreement. Special representatives of the Defense Supplies Corporation, who recently received a consignment of 1,000 tons of muriate of potash from Russia, have distributed all of this lot and are now awaiting additional consignments made by the Soviet government and now afloat which are being allotted to interests possessing authorization to buy them on a competitive price basis of 53½ cents per unit. This Russian origin muriate of potash is being sold with the proviso of its safe arrival.

Phosphates

Superphosphate. — Following a conference with OPA January 18, the fertilizer trade is eagerly awaiting an announcement of that bureau's decision on a promised uniform price ceiling for this material for sale in bulk by producers to fertilizer mixers. Also expected that a ceiling will be established simultaneously for triple superphosphate.

Sulphur and Pyrites

Output and surplus of crude sulphur are shown as still satisfactory. Although latest statement of Bureau of Mines has set forth a drop in shipments of native sulphur for last November, amounting to 17.6 percent below October's record, and a nearly commensurate decline of 10.5 percent in output, producers' stocks have revealed an increase for that month of 1.2 percent and the total production for the first eleven months of 1942 is reported to have been 14 percent greater than that for the corresponding period of 1941, while producers' stocks in that interval increased 363,764 tons. Spanish pyrites still unavailable.

Markets at Other Centers

Atlanta—January 29

Superphosphate.—61c. per unit interior producing points.

Nitrate of Soda.—Allocated $30 per ton, port basis.

Sulphate of Ammonia.—Allocated at $29 per ton, port basis.

Nitrogenous.—$3.15 to $3.25 per unit, Midwest points; scare, covered by orders.

Chicago—January 29

Dried Blood. — Principal grade, unground, $5.38 per unit of ammonia.

Tankage. — Unground, feeding grade, $5.53 per unit; hoofmeal, $4.25 to $4.50 per unit; liquid stick, $2.40 to $2.50.

San Francisco—January 29

Ammonium Nitrate.—Offering of 4,000 tons from Canada snapped up in its entirety at $77.80 per ton, f.o.b. San Francisco; $80.25 Los Angeles.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 9

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE

Help Wanted and Positions Sought — Minimum $2.00, thirty-six words or less; 35c for each additional six words.

All Other Classified Advertisements — $5.00 thirty-six words or less; 85c for each additional six words or fraction.

Agencies Wanted

IF YOU would be interested in being represented in part of Ohio and Louisville, Ky., on chemicals, pigments, oils or other materials by an established Cincinnati firm, address BOX 236, Oil, Paint and Drug Reporter.

Equipment Offered

TWO REFRIGERATING units, 15 tons capacity each, complete with compressors, condensers, ammonia receivers, cooling tanks, etc. BOX 244, Oil, Paint and Drug Reporter.

FOR SALE—Rotary dryer, 3½ feet by 28 feet with gear reduction drive. Day dry mixer and sifter, 3 feet by 4 feet by 8 feet; 3-inch Worthington centrifugal pump with valves; 100 feet of roller conveyor, 2 feet wide; 70 H.P. Vertical boiler, return condensate system and Ray oil burner. All in excellent condition. No dealers. BOX 246, Oil, Paint and Drug Reporter.

FOR SALE—Burt filter, 5 ft. x 40 ft. long, lead lined with motor, in good condition. Hall Metal Products Co., 1285 W. 9th street, Long Beach, Calif.

Equipment Wanted

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 205, Oil, Paint and Drug Reporter.

WANTED—Three filter presses, three evaporators, one set of granulators, two coal pulverizers, two Brightwood box machines, one pneumatic packaging line. BOX 238, Oil, Paint and Drug Reporter.

EQUIPMENT WANTED—4, 6 or 8 truck atmospheric dryer complete with motor, trays and fans. Must be in good condition. BOX 251, Oil, Paint and Drug Reporter.

VACUUM SHELF dryer 6—12 shelves or any size wanted. BOX 254, Oil, Paint and Drug Reporter.

Equipment Wanted

WANTED—New or used analytical balance, Chain-o-matic or other rapid type. Sensitivity 1/10 or 1/20 mg. with or without all other weights. BOX 235, Oil, Paint and Drug Reporter.

WANTED—40-gallon poney mixer complete with cans. Must be in good usable condition. State details in full giving price and whether with or without motor. BOX 253, Oil, Paint and Drug Reporter.

USED EQUIPMENT

Are you trying to locate any good used equipment for quick delivery?

TRY US

EMSCO EQUIPMENT COMPANY

EMIL A. SCHROTH, Owner

41 HYATT AVE. NEWARK, N. J.

Factories Offered

FOR SALE or rent—Marvelous opportunity due to death of partner. New, fully machined paint and varnish factory. Modern fireproof cement brick construction; on railroad. Ready to start. Weber, 99 Bedell street, Freeport, L. I.

Materials Offered

OFFER 40 tons original French chalk whiting, finely ground, flint free, $30 ton, F.O.B. New York. BOX 255, Oil, Paint and Drug Reporter.

Materials Wanted

WILL PURCHASE your surplus and discontinued chemicals, drugs, oils, waxes, dyes, solvents, etc., and will pay highest cash prices for same. Thoroughly familiar with WPB regulations. Will make immediate offer. Write fully. BOX 217, Oil, Paint and Drug Reporter.

Positions Vacant

VARNISH MAKER wanted; thoroughly experienced. State full particulars giving age and draft status. Location, Long Island City, N. Y. BOX 234, Oil, Paint and Drug Reporter.

EXPERIENCED PRODUCTION man with a practical knowledge of chemistry to direct work done both in laboratory and factory. Experience working with colors helpful. Degree in chemistry not necessary. This position offers an excellent opportunity with a guarantee of permanency after the war. BOX 247, Oil, Paint and Drug Reporter.

LONG ESTABLISHED, reputable and financially responsible Midwestern manufacturer of floor maintenance materials is seeking a technical man with thorough knowledge of floor finishing and maintenance products to head up a program of research. Please give full particulars in first letter. BOX 248, Oil, Paint and Drug Reporter.

—Continued on page 64

Make This Our Year of VICTORY!

SPEED PRODUCTION WITH

"CONSOLIDATED"

EQUIPMENT

2—All Copper EVAPORATORS: 1 Badger triple 450 sq. ft. per effect, complete; 1—Standard triple 350 sq. ft. per effect, complete.
17—RUBBER LINED Rectangular TANKS, 1—220 gal., 2—1,000 gal., 2—650 gal., 9—500 gal., 2—200 gal., 1—150 gal.
1—P. & S. 9—truck ATMOSPHERIC DRYER, 1,562 sq. ft. tray surface.
3—Rotary VACUUM DRUM DRYERS: 1—Buffalo 48" x 48" Single Bronze Drum; 1—Devine 3' x 9' Double Bronze Drum.
7—ROTARY VACUUM DRYERS: 1—Buffalo, 5' x 30'; 5—Devine 4' x 25'; 1—Devine, 4' x 30'.
3—ATMOSPHERIC DRUM DRYERS: 2—Anco 4' x 9', single drum; 1—4' x 9'.
58—25 gal. MONEL open TANKS; 12—45 gal.
1—20 gal. MONEL KETTLE, electrically heated.
2—36" x 84" Double Drum ATMOSPHERIC DRYERS (new).
4—ALUMINUM JACKETED KETTLES, 1—60 gal., 2—40 gal., 1—20 gal.
1—300 gal. PFAUDLER WATER JACKETED KETTLE, side md. agitators; 1—125 gal.
4—300 gal. COPPER CLOSED TIN-COATED TANKS.
35—CENTRIFUGAL EXTRACTORS, 12" to 72" bronze and steel baskets, belt and motor drives.
8—PEBBLE MILLS: 1—Patterson, 6' x 7', Silex Lined; 32" x 42" rubber lined; other sizes.
6—3-ROLLER MILLS, up to 16 x 40.
8—4,000 lbs., 2,000 lbs., 1,000 lbs., 600 lbs., DRY POWDER MIXERS; other sizes.
3—W. & P. MIXERS, size 21-X-BB Jacketed, 625 gal.; 1—size 15, 100 gal. jacketed; 1—size 14, 50 gal. Jacketed; other sizes.
4—4' x 6' Iron OLIVER CONTINUOUS FILTERS; 1—3' x 28" wood stave.

LIQUIDATING

Former

LION BREWERY

108th St. and Columbus Ave. New York, N. Y.

32—Horizontal 10' dia. x 23' long, WOOD TANKS, 3" staves, 14,000 gals.

Miscellaneous: Brew and Bottling Equipment, 8,000 gal. Jacketed, Agitated Kettles, Boilers, Pumps, Keg Equipment, Rubber Tubing, Tons of Pipe, Valves and Fittings.

SEND FOR PRINTED CIRCULAR
ARRANGE TO INSPECT—
REPRESENTATIVE ON PREMISES

1—PNEUMATIC SCALE PACKAGING UNIT.
1—Zaremba dbl. effect EVAPORATOR, steel tubes, 660 sq. ft. per effect.
1—No. 9 SWEETLAND FILTER, 42 leaves, on 2½" c.c.
2—General Ceramics 48' dia. x 15' Stoneware TOWERS.
1—14' dia. WEDGE FURNACE, 7—hearth, complete.
1—Sperry 42" x 42" CAST IRON FILTER PRESS, plate-frame, 23 chambers; 1—Shriver 36" x 36", washing 60 chambers; 20 others, 30" x 30" to laboratory sizes.
9—HEAT EXCHANGERS, Ahlberger: 50, 100, 300, 440 sq. ft. heating surface; other smaller sizes.
2—Crosson Morris 48" Copper basket, direct m.d. CENTRIFUGALS, ball bearing.
5—RAYMOND PULVERIZERS: 5—Roll High Side: No. 1 Baxter Type; No. 0000.
5—Vilter AMMONIA COMPRESSORS, twin horiz. 250 tons each, direct m.d. to West. 500 HP synchr. Motors, 3-60-440 V.
1—Vilter AMMONIA COMPRESSOR, 40 tons, m.d. with 100 HP 3-60-440 V.
2—Direct Heat Rotary DRYERS: 1—6' x 24' Iroquois and 1—5' x 30' Iroquois, ½" shells.

WANTED: Idle Machines

Single Items or Complete Plants. You can help War Production by sending us your list.

Send for "Consolidated News" listing complete stock

We Buy and Sell From a Single Item to a Complete Plant

FOR 25 YEARS A SYMBOL OF CONFIDENCE

CONSOLIDATED PRODUCTS CO., INC.

13-18 Park Row, New York

Shops: 335 Doremus Avenue, Newark, N. J.

FMC

FIVE STAR ★★★★★ OFFERINGS

For Immediate Delivery

2 Micro Pulverizers No. 4; 24"; with 60 HP and 75 HP motors

1 Copper Column; 38"; 37' high complete with accessories

3 Orville Simpson No. 7 Rotex Sifters; 40" x 84"; pulley Dr.

1 Shriver 24" Filter press; Pl. & Fr.; 28 Jacketed Plates

1 National Pkg. 2 Station Auger Type aut. Powder Filler

1 Stokes & Smith 1 Station Auger Type aut. Powder Filler

2 Lab. Size W. & P. Mixers

1 150 gal. Jktd. Vacuum Type Heavy Duty Mixer

1 W. & P. 250 Gal. Unjacketed Heavy Duty Mixers

1 Abbe Lenart 55 gallon Mixer

15 New and Used Dry Mixers up to 2000 lbs.

1 Pfaudler agitated, Jacketed Vacuum Pan, 300 gal. with accessories

2 Cast Iron Agitated and Jktd. Vacuum Pans; 3' x 5'6"

1 Day 40 gal. Pony Mixer; 6-15 gal. and 1-8 gal.

1 Judelson Duplex Type Truck Dryer 12'7¼" x 6'9" x 6'3"

1 Vacuum Drum Dryer 4' x 10'6" with accessories

2 Louisville 6' x 35' Steam Tube Dryers (2 Coolers 6' x 35')

7 Copper Steam Jktd. Kettles; 175 gal.; others in stock

12 Steel 1000 gal. Jacketed and Agitated Vertical Tanks

2 Sweetland Filters; No. 10 and No. 7

1 Pneumatic Scale 16 Spout Stainless Steel aut. Rotary Vacuum Filler

3 Broughton Mixers; 1000 lb. and 2000 lb.

30 Large Steel Storage Tanks; up to 15,000 gal.

2 Elevators or Stackers; 1 hand operated; 1 motorized

1 75 Gal. Buffalovak Jacketed Cast Steel Autoclave

1 Rotary Digestor of Steel; 6' x 15'

Full Details on Any Item Sent on Request

Plants engaged in War Work Can Utilize Your Idle Equipment. It is your patriotic duty to put to work every usable machine. Let us reallocate it for you. Full data please.

FIRST MACHINERY CORP.

FMC

9th St. & EAST RIVER DRIVE

NEW YORK CITY

Business Wants and Offers

—*Continued from page 63*

Positions Vacant

CHEMIST or chemical engineer. Excellent opportunity for a chemist or chemical engineer who is experienced in organic chemistry to act as general foreman in charge of production. Hydrocarbons and chlorinated benzol products. War work. College graduate preferred but not necessary. Applicant must be capable of handling men and should have had some manufacturing experience. Please give details regarding training, experience, draft classification and salary expected. Permanent position. All applications will be treated confidentially. BOX 241, Oil, Paint and Drug Reporter.

PAINT SUPERINTENDENT capable to take complete charge of a small plant in Detroit. Must have good formulating abilities in master painters and plant maintenance paints. Willing to offer a salary and unlimited earning proposition to the right man. Write giving complete information. BOX 250, Oil, Paint and Drug Reporter.

Specials

DRYERS—KILNS—FURNACES

1—Buffalo Vacuum Drum, 24"x20".
3—Atmospheric Double Drum, 3'x8', 4'x9'.
2—Atmospheric Single Drum, 4'x8'.
7—Rotary, 3'x18', 3'x20', 4'x30', 5'x35', 6'x65', 6'x100'.
1—Rotary Indirect, 6'x45', monel lined.
3—Hersey Rotary Indirect, 5'x25', 6'x25'.
1—P. & S. Atmospheric Tray.
4—Herreshoff, Wedge, U. S. Furnaces.
2—Rotary Kilns 6'6"x100', 6'x7'x100'.
2—Rotary Kilns 10'x125'.

KETTLES—PANS—AUTOCLAVES

1—Duriron 15 gal., agitated Rosetten Kettle.
3—300 gal. Pfaudler Glass Lined, Jcktd.
1—Buflovak Impregnating Kettle, 42"x50".
5—Copper Vacuum Pans 2', 2'6", 3' dias.
25—Copper Jcktd. Kettles, 10 to 300 gals.
9—Steel Jcktd. Kettles, 50 to 2000 gal., agitated.
4—Autoclaves 5, 25, 80, 150 gals.
1—Stainless Steel, 40"x30", 215 gals.

CENTRIFUGALS

1—Western 40" Suspended, with 40 HP AC motor.
3—Tolhurst 49" Suspended, with 15 HP AC motors.
5—Tolhurst 32", 40", 48", self-balancing type.
1—Sharples Lab. Centrifuge.
6—Sharples No. 6.
4—DeLaval Nos. 206, 306, 600, 700.

MIXERS

3—Day No. 30 Imperial, Jcktd., 75 gal. working capacity.
10—Trough Mixers, Lab., to 75 gal.
5—Change Can, 8 to 40 gal.
4—Lead and Paste Mixers, 50 to 100 gal.
1—Day Universal, Jcktd., 265 gal.
20—Day Powder Mixers, 25 to 2000 lb.

FILTERS

1—Shriver 24"x24" Jcktd., cast iron, 30 chambers.
1—Sperry 22"x22", cast iron, closed delivery, 24 chambers.
1—Sperry 26"x26", cast iron, 48 chambers.
3—Oliver United 36"x36", cast iron, 41 chambers.
10—Shriver Shaletons, 12" to 36" square.
8—Kilby 30"x30", cast iron, 28 chambers.
5—Oliver Rotary 3'x3', 6'x4', 12'x3'.
3—Sweetland Filters, Nos. 5, 7, 10.

PULVERIZERS—GRINDERS

1—No. 1 Raymond Mill, motor driven.
7—300 gal. Pebble Mills, 4½'x3½'.
2—Rubber Lined Pebble Mills, 24"x36", 36"x36", 75 to 100 gal.
15—Abbe, Patterson Pebble Mills, Lab. to 200 gal.
6—Day, Ross Roller Mills, 5"x12", 9"x24", 12"x32", 16"x40".
3—Raymond Roller Mills, 2, 4, 5 rolls.
2—Raymond Pulverizers, Nos. 0000, 00, 3.
1—Mikro Pulverizer, 24".
5—Hardinge Ball Mills, 3' to 8' dias.
1—Robinson 20" Attrition Mill with 2—30 HP AC motors.
6—U. S., Premier, Charlotte Colloid Mills, ½ to 100 HP.
15—Hammer Mills, Williams, Jaybee, etc.

TANKS

1—350 gal. Rubber Lined.
3—Lead Lined, 1700 gal., Pressure or Vacuum.
1—Lead Lined, 1700 gal., with agitator and motor.
2—20'x20', open top, Steel.
3—Copper, 2000, 2500 gal.
10—Glass Lined, 50 to 1000 gal.
19—Steel, 3500 to 25,000 gal.

MISCELLANEOUS

5—Rotex, Tyler Screens.
6—Vapor Heaters, 100 to 500 sq. ft.
1—S. & K. Heat Exchanger, 27 sq. ft.
1—Single Effect Vertical Evaporator, 3300 sq. ft.
2—Glens Falls Sulphur Burners.
40—Pumps, Centrifugal, Rotary, 1" to 6".
10—Vacuum Pumps, Devine, Buffalo, Nash.
3—Duriron, Olivite, Lead Acid Pumps.
1—Badger 1000 gal. Copper Still.
30—Lead Valves, 2" to 3".

YOUR INQUIRIES SOLICITED
SEND US YOUR LISTINGS

BRILL Equipment Co.
183 VARICK STREET NEW YORK

Positions Vacant

CHEMIST FOR RESEARCH—If you are a better than average paint formulator and feel you are not using all your qualifications to the extent you are capable in your present position, this opportunity will interest you. We are a small but adequately financed paint plant located in Southern Indiana, producing both industrial and trade finishes, but need another chemist to do experimental work on special products not only for immediate but long range applications. Write outlining experience, training, and starting salary desired. BOX 257, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMIST, YOUNG—Experienced laboratory technique and plant control work. Desires position. Pharmaceutical, chemical or food industries preferred. Location limited to New York vicinity. Definite draft deferment. BOX 245, Oil, Paint and Drug Reporter.

EXECUTIVE, EXPERIENCED—Purchasing and controlling distribution of raw materials, industrial chemicals, fine chemicals, etc., plant equipment and general buying and bulk sales contacts in war industries open for position. BOX 249, Oil, Paint and Drug Reporter.

WORLD'S FAIR LIGHTS, MOTORS AND VALVES

BACK GEARED BALL BEARING MOTORS, 1/75 h.p., 3 ph.; 208 1800 r.p.m. rod., 96 to 1.....each $10.00
1/25 h.p. 110 v. Universal 2 speed rod., 25 to 1, 150 to 1...each $7.00
400 WATT MERCURY VAPOR LAMPS, with long life daylight bulb and untarnishable Alum. Reflector, complete with base, socket, 220 v. A.C. transformer.....each $13.00
1500 WATT MAZDA SPOTS with untarnishable Alum. Reflector complete with base and socket....each $8.00
2 kw. Gen. Elec. steam generators... $6.00
Electric Solenoid Valves
Above equipment is new or nearly new
25% with order, Balance C. O. D.

EASTERN SALVAGE CO.
208 Lafayette Street, New York, N.Y.

LOCATED PHILADELPHIA, PA.

4—BUCKEYE 15 BOX HYDRAULIC OIL PRESSES, 16" RAM, 24" STROKE, 4,000 LBS. P.S.I.
1—No. 2½ EUREKA VERT. BREAKER.
3—DOUBLE STAND STEEL 4 ROLLER MILLS, 7" x 18", AND 7½" x 30" ROLLS.
1—No. 21 BUFFALO CHOPPER.
2—SHRIVER IRON FILTER PRESSES.
3—JOHNSON IRON FILTER PRESSES.
1—WELDED STEEL STORAGE TANK.
1—SCHUTZ-O'NEILL 20" PULVERIZING MILL WITH COLLECTOR.
1—STANDARD AUTOMATIC CAPPER.
WRITE FOR BULLETIN L 19

1—Badger 42" Monel Alcohol Column
1—W.& P. 150 gal. Jack. Mixer, Size 16.
1—Faust 150 gal. Jack. Double Spray Mixer.
1—3 Roll High Side Raymond Mill.
2—5 Roll W.C. 16" x 40" Steel Roller Mills.
1—Allbright-Nell Atmos. Drum Dryer, 3' x 8'.
1—Devine 4' x 30' Rotary Vacuum Dryer.
43—Stainless Steel Filter Press Plates, 24"x24".
6—4,000 gal. Vert. Acid Proof Tanks.
2—Sweetland Filters, Nos. 5 and 8.
1—No. 2 Mikro Pulverizer.
1—No. 4 Mikro Pulverizer.
12—Iron and Wood Filter Presses, 18" to 36".
1—No. 2 Oliver Duplex Vac. Pump, 14" x 8".
1—Pennsylvania Vac. Pump, 14" x 5".
2—Worthington 12" x 12" x 12" Vac. Pumps.
1—Beach-Russ No. 6 Compound Vac. Pump.
1—Creamery Pkge. Mfg. Co. Homogenizer, motor driven, approx. 400 gals. per hr.
1—De Laval No. 301 Multiple Clarifier, M.D.
5—Ross 8, 15 and 40 gal. Pony Mixers.
4—Ross 3 Roll Mills, 12" x 30" and 16" x 40".
10—Pebble and Jar Mills, Lab. to 750 gals.
2—Tolhurst Centrifugals, 32" and 40".
8—Stone Mills, 10" to 32".
8—Lead and Paste Mixers, 50 to 135 gals.
6—Horiz. and Vert. Mixers, up to 500 gals.
10—Glass Lined & Steel Tanks up to 4,000 gals.
6—Vert. Jack. Kettles, up to 500 gals.
20—Copper Jack. Kettles, up to 150 gals.
1—Schultz-O'Neill No. 1 Sugar Pulverizer.
1—Jeffrey 24" x 18" Type A Hammer Mill.
3—Single and Double Roll Spike Crushers.
2—No. 0 and No. 1 Raymond Mills.
6—Williams & Jay Bee Hammer Mills.
1—Bauer 22" Attrition Mills.
1—Stedman 42" Ball-Bearing Disintegator.
15—Electric Agitators, ¼ to 10 H.P.
20—Rotary, Centrifugal and Vacuum Pumps.
6—Liquid, Paste and Powder Fillers.

Only Partial Listings
Write for Complete Bulletins
We Buy Your Surplus Machinery

STEIN EQUIPMENT COMPANY
Department E
426 BROOME ST., NEW YORK CITY

Positions Wanted

EMPLOYED TECHNICAL service man (ex-salesman) wants new job with manufacturer supplying industrial lacquer and enamel war trade in New England. Draft 3A. Ten years experience on textile, rubber, plastic, cable, wood, and metal specialty finishes. Permanence and chance to produce more desired. BOX 253, Oil, Paint and Drug Reporter.

INDUSTRIAL CHEMIST — Skilled in market research and use development, cost studies and surveys wishes to change position. Has thorough understanding of chemical industry—organic and inorganic—heavy chemicals and fine. Experience fully supplemented by well rounded knowledge of equipment, equipment problems, and industrial personnel. BOX 256, Oil, Paint and Drug Reporter.

SPECIALS!

BETHLEHEM Cast Iron Closed Jacketed Kettle, 1500 gallons.

BETHLEHEM - FREDERKING Cast Iron Kettle, 2000 gallons.

DEVINE Sheet Steel Closed Jacketed Kettle, 1600 gallon, agitated.

List your surplus with us!

MACHINERY & EQUIPMENT CORPORATION
59 East 4th Street New York City

TANKS

23 Steel Oil Storage 5 000 — 8,000 — 11,500 and 20,000 Gal. Cap.
2—10,500 bbl. capacity field tanks.
9 Cyprus 3,500 gal. 9 ft. dia. 8 ft. high.

TANKS ON TOWERS

100,000 gal. Steel 40' Tower
75,000 gal. Steel 80' Tower
35,000 gal. Steel 90' Tower
25,000 gal. Steel 80' Tower
1—100,000 gallon Steel 82' Tower
1—40,000 gallon Steel 100' Tower

R. C. STANHOPE, Inc.
60 EAST 42nd ST., NEW YORK, N.Y.

PACKAGING WANTED

We are equipped for filling, packaging and labeling powders, creams and liquids. Have steam jacket kettles and mixers for making your product. Excellent facilities, experienced and capable help, adequate floor space and railroad siding.

SEABOARD MFG. LABORATORIES
Incorporated
Swanson & Wolf Sts. Philadelphia, Pa.

Botanical Drugs

Seeds

—*Continued from page 58*

46c per pound, the official anise ceiling.

Caraway.—Dutch seed—very small quantity available, higher at $1.10 to $1.15 per pound. No further decline in Morocco material.

Celery.—Higher market at 33¾c. to 34c. per pound.

Cumin.—Morocco seed advanced to 16½c. to 17c. per pound and very firm.

Dill.—Steady, awaiting contracting against Fall requirements.

Hemp.—Spots higher at 15c. to 15½c. per pound under more activity.

Millet.—Easier and shaded to 3½c. to 4c. per pound on all kinds save the hulled variety.

Mustard.—California brown down to 14c. to 14½c. per pound. Montana yellow off a fraction to 5¾c. to 6¾c. per pound. Other kinds steady.

Rape—Fall planting dwarf Essex not wintering well. Replanting to be fairly extensive. Spot higher at 10c. to 10½c. per pound.

Spices

Cassia.—Thin Batavia No. 1 quill higher at 60c. to 61c. per pound. China buds up to 60c to 61c. China select rolls higher at 53c. to 54c.; broken, 52c. to 53c.

Cinnamon.—No. 2 Ceylon higher at 61½c. to 62c. per pound.

Ginger—Bleached Cochin down to 24½c. to 25c. per pound; unbleached, 23c. to 23½c. Calicut, 23c. to 23½c. Jamaica, No. 2, down to 34½c. to 35c.; No. 3, 33c. to 34c.

Mace.—Banda lower at 80c to 85c. per pound.

Nutmegs — Wider range of East India megs offered. Price, 110's, 47c. to 48c. per pound; 80's, 50c. to 51.

Paprika. — Portuguese down to 38½c. to 39c. per pound for extra fancy; good, 36c. to 36½c.

Pepper.—Quiet to firm and exceptionally steady on whites and blacks. Powdered white sold at 18c. per pound. Red chillies from Carolina shaded to 18¼c. to 18¾c. for the long variety.

Trading in black pepper futures on the New York Produce Exchange from January 25 to January 29, inclusive, comprised nil contracts. Following is a price record for the week:—

	Cents per pound— High.	Low.	Close.
March	....	....	6.63 bid
May	....	....	6.63 bid

Pimento.—Spot stocks conservative. Numerous spot offerings involve goods actually at New Orleans or Tampa. Market considered to be 25½c. to 26½c. per pound.

VANILLA BEANS
ZINK & TRIEST CO.
15 Lombard Street Philadelphia Pa.

Gum Tragacanth--- Gum Arabic
Importers
THURSTON & BRAIDICH, 286 Spring St., NEW YORK

KANE IMPORT CORPORATION
ESSENTIAL OILS - WAXES - HERBS AND SEEDS
10 East 40th Street New York City

PURE
ALGIN
ALGIN CORPORATION OF AMERICA
24 STATE STREET
NEW YORK

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